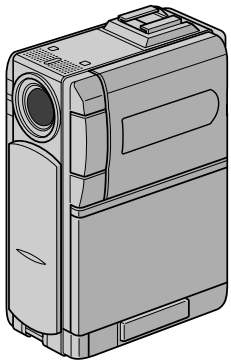
JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVP9AA,GR-DVP9AG



Mini DV PAL

DSC DIGITAL STILL CAMERA

For disassembling and assembling of MECHANISM ASSEMBLY, refer to the SERVICE MANUAL No.86700(MECHANISM ASSEMBLY). Regarding SCHEMATIC DIAGRAMS, refer to the service manual No. 86729 (GR-DVP9EX).

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVP9AA and GR-DVP9AH.)*

Camcorder

For General		
Power supply	:	DC 6.3 V(Using AC Power Adapter/Charger) DC 7.2 V(Using battery pack)
Power consumption		
LCD monitor off, viewfinder on	:	Approx. 3.9 W
LCD monitor on, viewfinder off	:	Approx. 4.7 W
Dimensions (W x H x D)	:	43mm x 115mm x 80mm (with the LCD monitor closed and the viewfinder pushed back in)
Weight	:	Approx.350g (without grip belt, battery and cassette) Approx.420g (incl. grip belt, battery and cassette)
Operating temperature	:	0°C to 40°C
Operating humidity	:	35% to 80%
Storage temperature	:	–20°C to 50°C
Pickup	:	1/4" CCD
Lens	:	F 1.8, f = 3.8 mm to 38 mm, 10:1 power zoom lens (It is not possible to attach any lens filter or conversion lens.)
LCD monitor	:	2" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	:	Electronic viewfinder with 0.44" colour LCD
Speaker	:	Monaural
For Digital Video Camera		
Format	:	DV format (SD mode)
Signal format	:	PAL standard
Recording/Playback format	:	Video:Digital component recording Audio:PCM digital recording, 32kHz 4-channel (12-bit), 48kHz 2-channel (16-bit)
Cassette	:	Mini DV cassette
Tape speed	:	SP:18.8mm/s LP:12.5mm/s
Maximum recording time (using 80 min. cassette)	:	SP:80min. LP:120min.
For Digital Still Camera		
Storage media	:	SD Memory Card/MultiMediaCard
Compression system	:	Still image:JPEG (compatible) Moving image:MPEG4 (compatible)
File size		
Still image	:	4 modes (1600x1200 pixels/1280x960 pixels/1024x768 pixels/640x480 pixels)
Moving image	:	2 modes (240x176 pixels/160x120 pixels)
Picture quality	:	2 modes (FINE/STANDARD)
Approximate number of storable images	:	☞ pg.39

For Connectors		
S/AV		
S-Video input	:	Y:0.8 Vto1.2V (p-p), 75 Ω, analogue C:0.2 Vto0.4 V (p-p), 75 Ω, analogue
S-Video output	:	Y:1.0 V (p-p), 75 Ω, analogue C:0.29 V (p-p), 75 Ω, analogue
Video input	:	Y:0.8 Vto1.2V (p-p), 75Ω, analogue
Video output	:	Y:1.0 V (p-p), 75Ω, analogue
Audio input	:	300 mV (rms), 50kΩ, analogue, stereo
Audio output	:	300 mV (rms), 1kΩ, analogue, stereo
Edit	:	ø3.5mm, 2-pole
Headphone output	:	Stereo
DV		
Input/output	:	4-pin, IEEE 1394 compliant
USB	:	5-pin

AC Power Adapter/Charger

For General		
Power requirement	:	AC 110V to 240V~, 50Hz/60Hz
Power consumption	:	23W
Output		
Charge	:	DC 7.2 V ⎓, 1.2 A
VTR	:	DC 6.3 V ⎓, 1.8 A

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

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Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

●Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the ⚠ symbol and shaded ( ) parts are critical for safety.
   Replace only with specified part numbers.
   Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
   Caution for continued protection against fire hazard.
   Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape 3) Spacers 5) Barrier
   2) PVC tubing 4) Insulation sheets for transistors

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

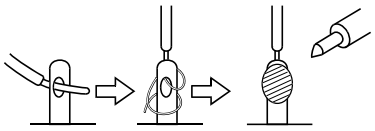


Fig.1

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

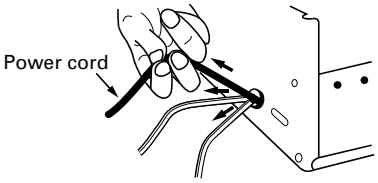


Fig.2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
    In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector
    In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

    1) **Connector part number :** E03830-001
    2) **Required tool :** Connector crimping tool of the proper type which will not damage insulated parts.
    3) **Replacement procedure**
       (1) Remove the old connector by cutting the wires at a point close to the connector.
       Important : Do not reuse a connector (discard it).

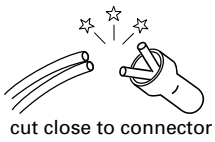


Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

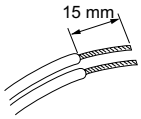


Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

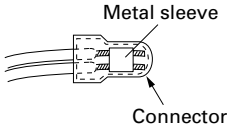


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

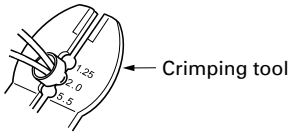


Fig.6

(5) Check the four points noted in Fig.7.

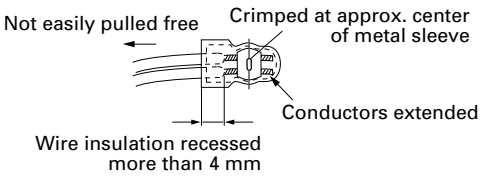

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

Fig.7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test
Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test
Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance
When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

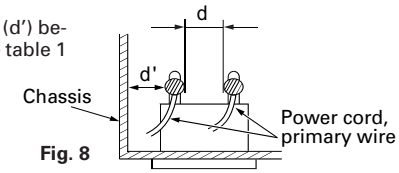


Fig. 8

4. Leakage current test
Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).
Measuring Method : (Power ON)
Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

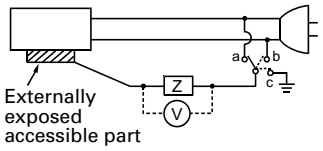


Fig. 9

5. Grounding (Class Ⅰ model only)
Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).
Measuring Method:
Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

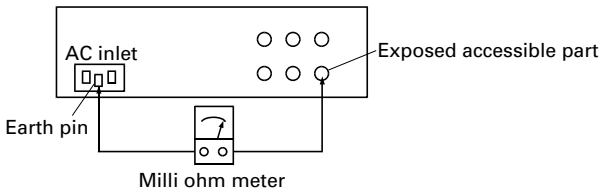


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R ≧ 1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 miute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	1 MΩ ≦ R ≦ 12 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R ≧ 10 MΩ/500 V DC	AC 3 kV 1 minute (Class Ⅱ) AC 1.5 kV 1 minute (Class Ⅰ)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Table 1 Specifications for each region

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 μF, 1.5 kΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
		50 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1
DISASSEMBLY

1.1 BEFORE ASSEMBLY AND DISASSEMBLY

1.1.1 Precautions

1. Be sure to remove the power supply unit prior to mounting and soldering of parts.
2. When removing a component part that needs to disconnect the connector and to remove the screw for removing itself, first disconnect the connecting wire from the connector and then remove the screw beforehand.
3. When connecting and disconnecting the connectors, be careful not to damage the wire.
4. Carefully remove and handle the part to which some spacer or shield is attached for reinforcement or insulation.
5. When replacing chip parts (especially IC parts), desolder completely first (to prevent peeling of the pattern).
6. Tighten screws properly during the procedures. Unless specified otherwise, tighten screws at a torque of 0.078N•m(0.8kgf•cm).

1.1.2 Assembly and disassembly

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER(UNDER)	Fig.1-3-1	(S①)	—
②	COVER(SHOE)	Fig.1-3-2	2(S②),2(L②)	—
③	MIC COVER ASSY		(S③a),2(S③b)	—
	(1)	(2)	(3) (4)	(5)

(1) Indicate the disassembly steps. When assembling, perform in the reverse order of these steps. This number corresponds to the number in the disassembly diagram.

(2) Indicates the name of disassembly/assembly parts.

(3) Indicates the number in the disassembly diagram.

(4) Indicates parts and points such as screws, washers, springs which must be removed during disassembly/assembly.

Symbol	Name, Point
S	Screw
L	Lock, Pawl, Hook
SD	Soldering
CN	Connector

(Example)
- 2 (S①) : Remove the two screws (S①) for removing the part ①.
- CN ①a: Disconnect the connector ①a.
- SD ① : Unsolder at the point SD ①.

(5) Precautions on disassembly/assembly.

1.1.3 Destination of connectors

Note: *Three kinds of double-arrows in connection tables respectively show kinds of connector/wires.*
↔ : Wire
⇔ : Flat wire (FPC, FFC)
⬌ : Board to Board connector

[Example]
NOTE: *Remove the parts marked in* .

CONN. No.	CONNECTOR					Pin No.
CN④a	MAIN	CN112	⇔	SUB OPE UNIT	–	8
CN④b	MAIN	CN113	⇔	MONITOR	CN401	39/33

1.1.4 Disconnection of Connectors (Wires)

Connector
Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.

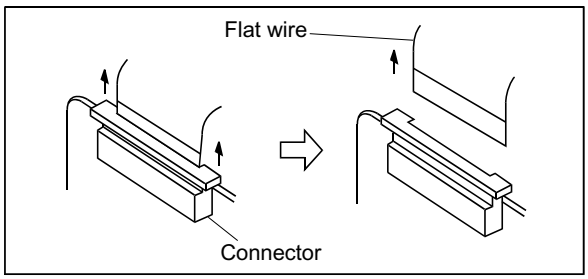


Fig. 1-1-1 Connector 1

Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.

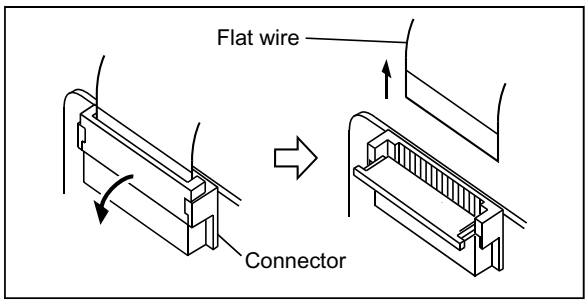


Fig. 1-1-2 Connector 2

B-B connector
Pull the board by both the sides in the direction of the arrow for disconnecting the B-B connector.

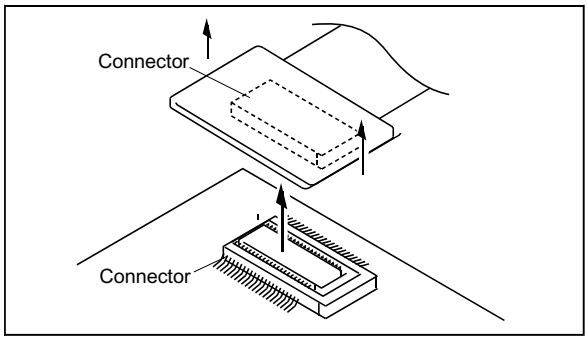


Fig. 1-1-3 Connector 3

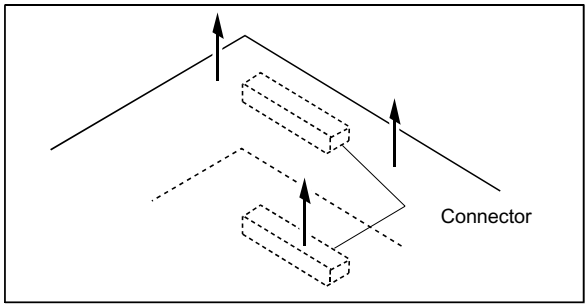


Fig. 1-1-4 Connector 4

1.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

1.2.1 Tools required for adjustments

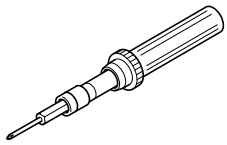
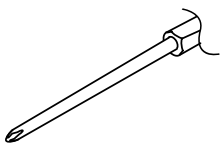
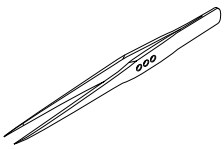
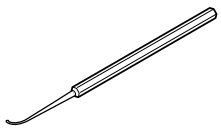
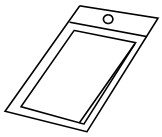
1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Tweezers P-895	4 Chip IC replacement jig PTS40844-2
	
5 Cleaning cloth KSMM-01	
	

Table 1-2-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement jig**
   To be used for replacement of IC.
5. **Cleaning cloth**
   Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order.

①	COVER (UNDER)
②	COVER (SHOE)
③	MIC COVER ASSY
④	UPPER CASE ASSY (Inc.MONITOR ASSY)
⑤	MONITOR ASSY
⑥	SHUTTER ASSY
⑦	BOTTOM ASSY
⑧	LOWER CASE ASSY (Inc.MICROPHONE /E.VF UNIT /OP MDA BOARD ASSY/SHOE ASSY /OP BLOCK ASSY)
⑨	MAIN BOARD ASSY
⑩	MECHANISM ASSY
⑪	MICROPHONE
⑫	OP BLOCK ASSY
⑬	E. VF UNIT
⑭	OP MDA BOARD ASSY
⑮	SHOE ASSY

Table 1-3-1

1.3.2 Disassembly method

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER (UNDER)	Fig.1-3-1	(S①)	—
②	COVER (SHOE)	Fig.1-3-2	2(S②), 2(L②)	—
③	MIC COVER ASSY		(S③a), 2(S③b)	—
④	UPPER CASE ASSY (Inc.MONITOR ASSY)	Fig.1-3-3a	(SD CARD)	NOTE④a NOTE④b
		Fig.1-3-3b	(S④a), (S④b), 3(S④c), 2(S④d), 2(S④e), (S④f), CN ④a, CN④b	NOTE④c NOTE④d
⑤	MONITOR ASSY	Fig.1-3-4	2(S⑤a), GUIDE(MONI), 2(S⑤b)	NOTE⑤
⑥	SHUTTER ASSY	Fig.1-3-5	(S⑥)	NOTE⑥
⑦	BOTTOM ASSY	Fig.1-3-6	CN ⑦, 2(S ⑦a), 2(S⑦b), 3(S⑦c), (S⑦d)	NOTE⑦
⑧	LOWER CASE ASSY (Inc. MICROPHONE, E.VF UNIT, OP MDA BOARD ASSY,SHOE ASSY, OP BLOCK ASSY)	Fig.1-3-7	CN⑧a, CN⑧b, SHEET(SHUTTER), CN⑧c, CN⑧d, CN⑧e, 3(S⑧)	NOTE⑧
⑨	MAIN BOARD ASSY	Fig.1-3-8	SHEET(SHUTTER), 2(S⑨) (L⑨a), SHIELD ASSY, CN ⑨a, CN ⑨b, CN ⑨c, CN ⑨d, (L⑨b), CN ⑨e, CN ⑨f	—
⑩	MECHANISM ASSY		(S⑩a),BRACKET(PRE/REC), 3(S⑩b),BRACKET(MECHA) ASSY	
⑪	MICROPHONE	Fig.1-3-9a	—	NOTE⑪
⑫	OP BLOCK ASSY		(S⑫), 2(S⑭a)	NOET⑫
⑬	E.VF UNIT		(S⑬a), (S⑬b), CN⑬	NOTE⑬a NOTE⑬b NOTE⑬c
⑭	OP MDA BOARD ASSY	Fig.1-3-9b	2(S⑭b), CN⑫	NOTE⑭a NOTE⑭b
⑮	SHOE ASSY		CN⑮, 2(S⑮)	NOTE⑮

Table 1-3-2

NOTE: *Remove the parts marked in* .

CONN. No.	CONNECTOR					Pin No.
CN④a	MAIN	CN112	⇔	SUB OPE UNIT	-	8
CN④b	MAIN	CN113	⇔	MONITOR	CN401	39/33
CN⑦	MAIN	CN107	⬌	BOTTOM	CN301	50
CN⑧a	MAIN	CN110	⬌	OP MDA	CN201	80
CN⑧b	MAIN	CN111	⇔	CCD	-	20
CN⑧c	MAIN	CN109	⇔	ZOOM OPE UNIT	-	13
CN⑧d	MAIN	CN108	↔	EJECT SW	-	2
CN⑧e	MAIN	CN115	↔	MICROPHONE	-	4
CN⑨a	MAIN	CN102	⇔	LOADING MOTOR	-	6
CN⑨b	MAIN	CN103	⇔	ROTARY ENCODER	-	6
CN⑨c	MAIN	CN101	⇔	HEAD	-	8
CN⑨d	MAIN	CN106	⇔	SENSOR	-	16
CN⑨e	MAIN	CN105	⇔	CAPSTAN MOTOR	-	18
CN⑨f	MAIN	CN104	⇔	DRUM MOTOR	-	11
CN⑫	OP MDA	CN204	⇔	OP BLOCK ASSY	-	24
CN⑬	OP MDA	CN203	⇔	VF BL	CN7001	20
CN⑮	OP MDA	CN202	⇔	SHOE ASSY	-	16/13

Table 1-3-3

NOTE ④a: *If a card is installed, remove it in advance.*

NOTE ④b: *Be careful not to damage the battery removal switch. When disassembling, ensure that the lock lever is in the low position and set the battery removal switch only to the up position.*

NOTE ④c: *A screw (14) is located inside the Cover (MULTI/USB).*

NOTE ④d: *Slide down the shutter and remove the screw (15).*

NOTE ⑤: *Refer to Sec. 1.4 for the disassembly method.*

NOTE ⑥: *Be careful not to damage or lose the parts.*

NOTE ⑦: *Take care of the removed screws.*

NOTE ⑧: *For the disassembly/assembly of the E. VF UNIT, SHOE ASSY, OP MDA BOARD ASSY, and OP BLOCK ASSY, see Sec. 1.5 for the disassembly method.*

NOTE ⑪: *Leave the MICROPHONE connected to the OP BLOCK ASSY.*

NOTE ⑫: *Refer to Sec. 1.6 for the disassembly method.*

NOTE ⑬a: *Be careful not to cut the FPC wire or damage any of the switches during work.*

NOTE ⑬b: *Refer to Sec. 1.7 for the disassembly method.*

NOTE ⑭a: *Be careful not to lose the parts.*

NOTE ⑫, ⑬c, ⑭b, ⑮ :
When assembling, attach the OP BLOCK ASSY, E.VF UNIT and the SHOE ASSY on the OP MDA BOARD ASSY and install them together in the LOWER CASE ASSY.

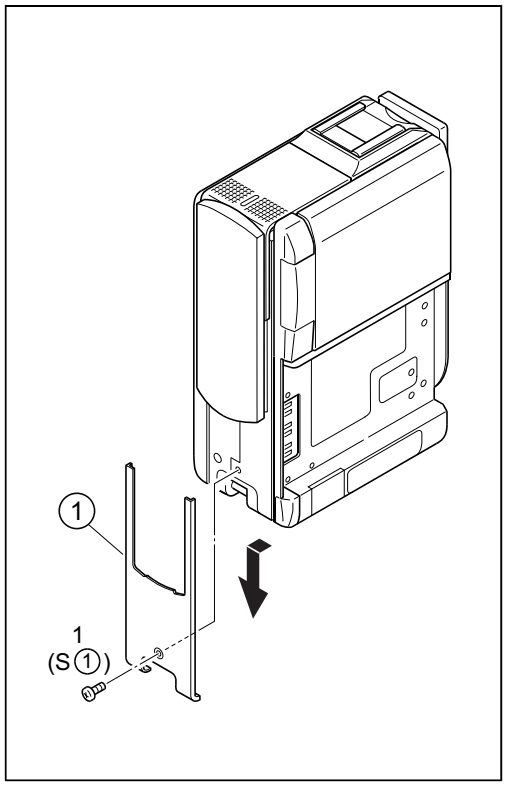


Fig. 1-3-1

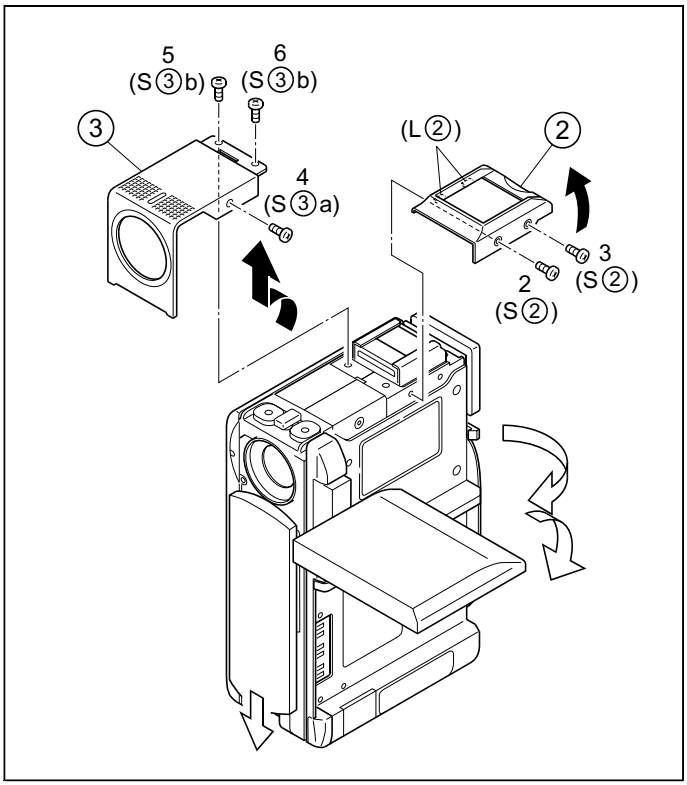


Fig. 1-3-2

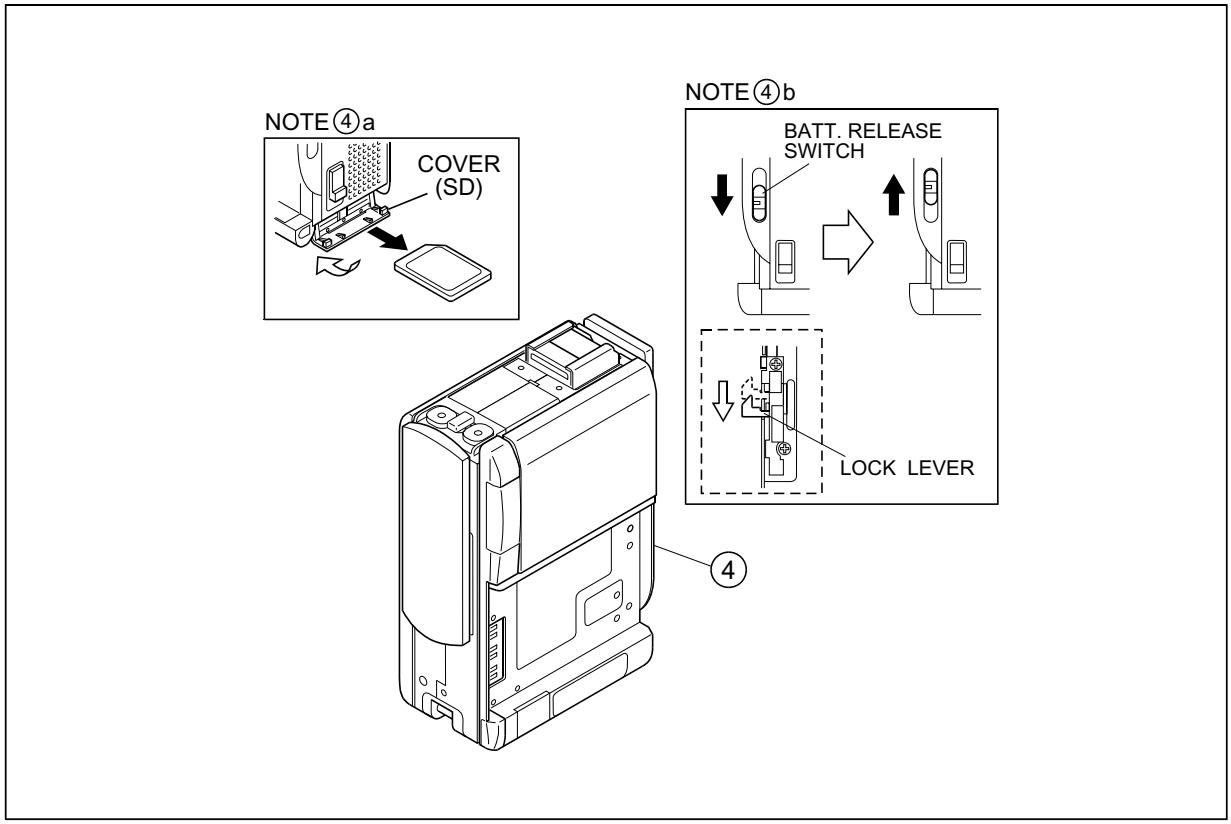


Fig. 1-3-3a

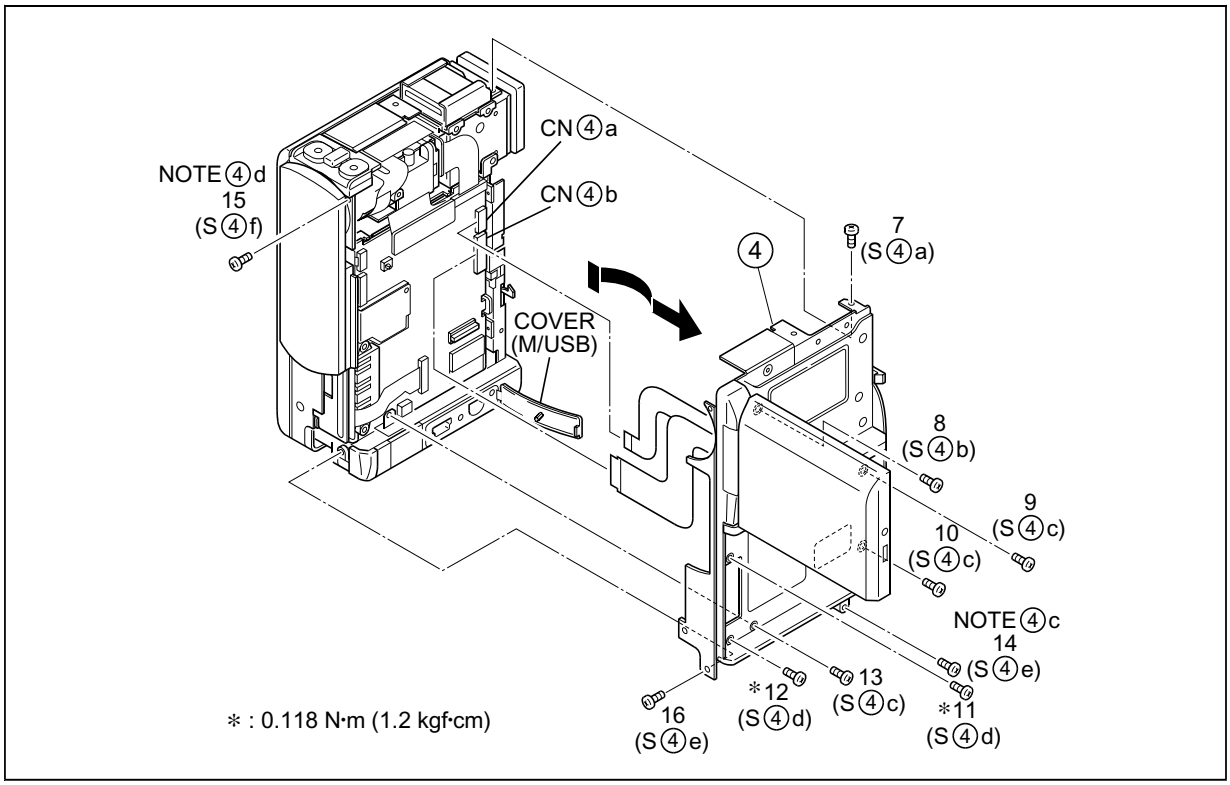


Fig. 1-3-3b

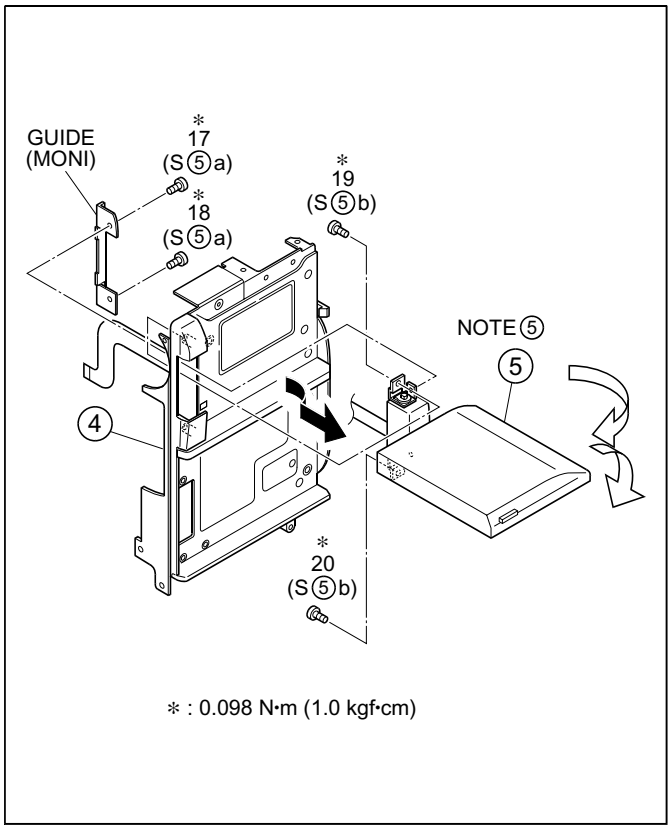


Fig. 1-3-4

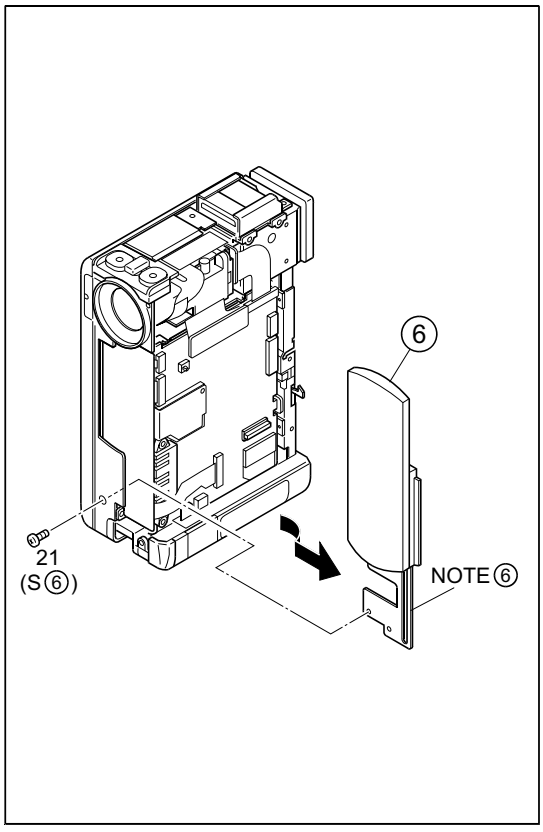


Fig. 1-3-5

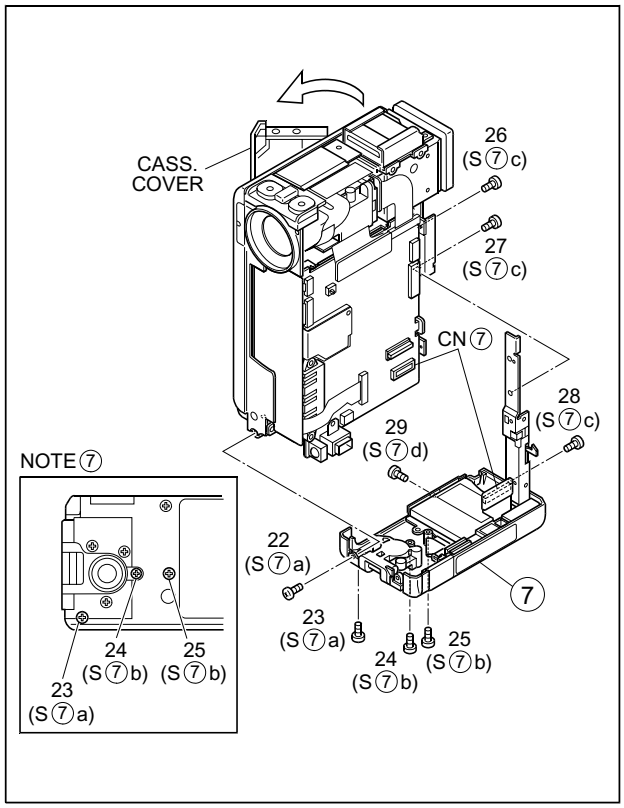


Fig. 1-3-6

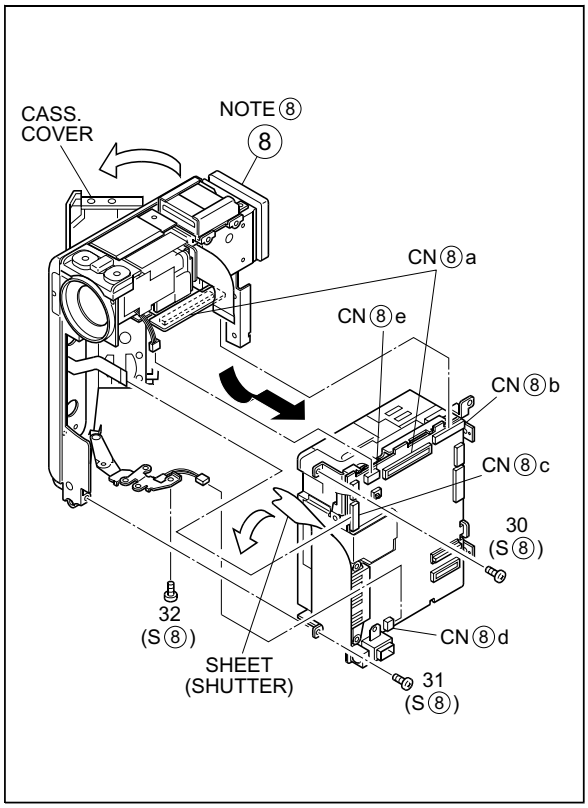


Fig. 1-3-7

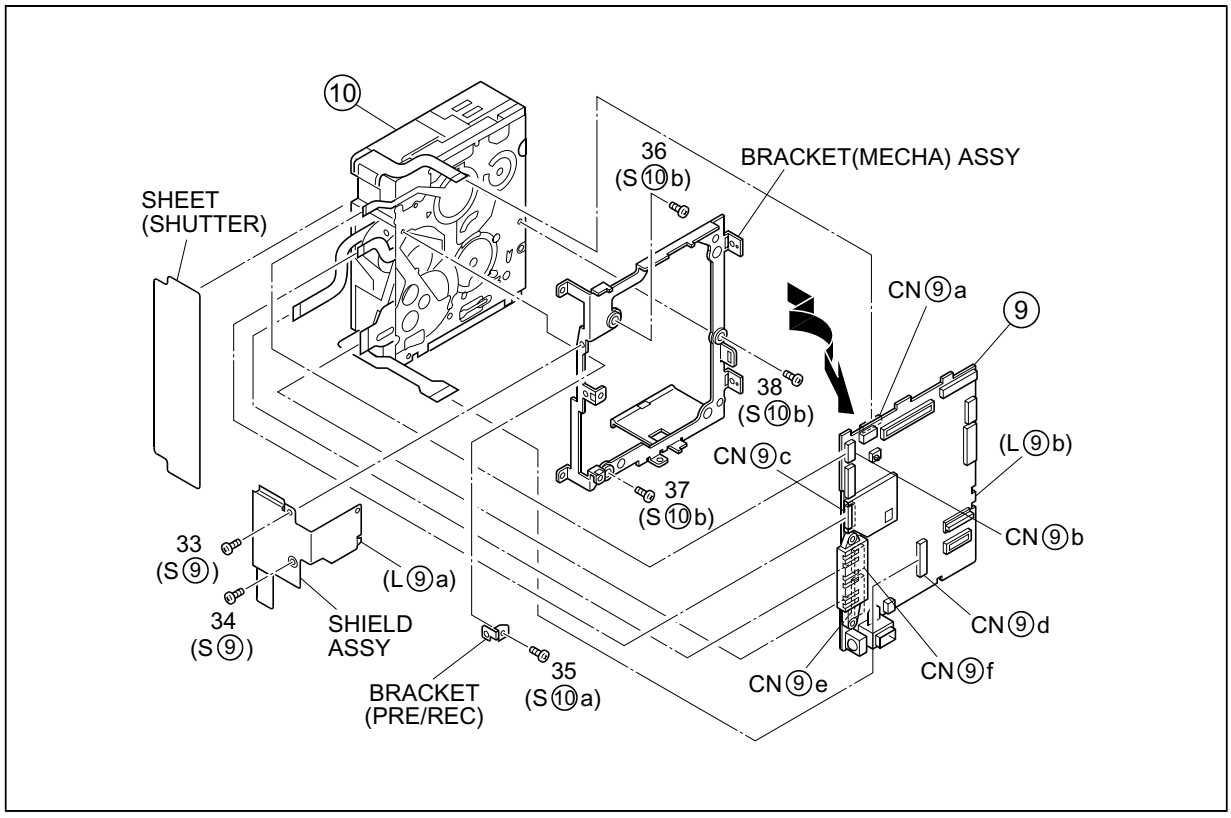


Fig. 1-3-8

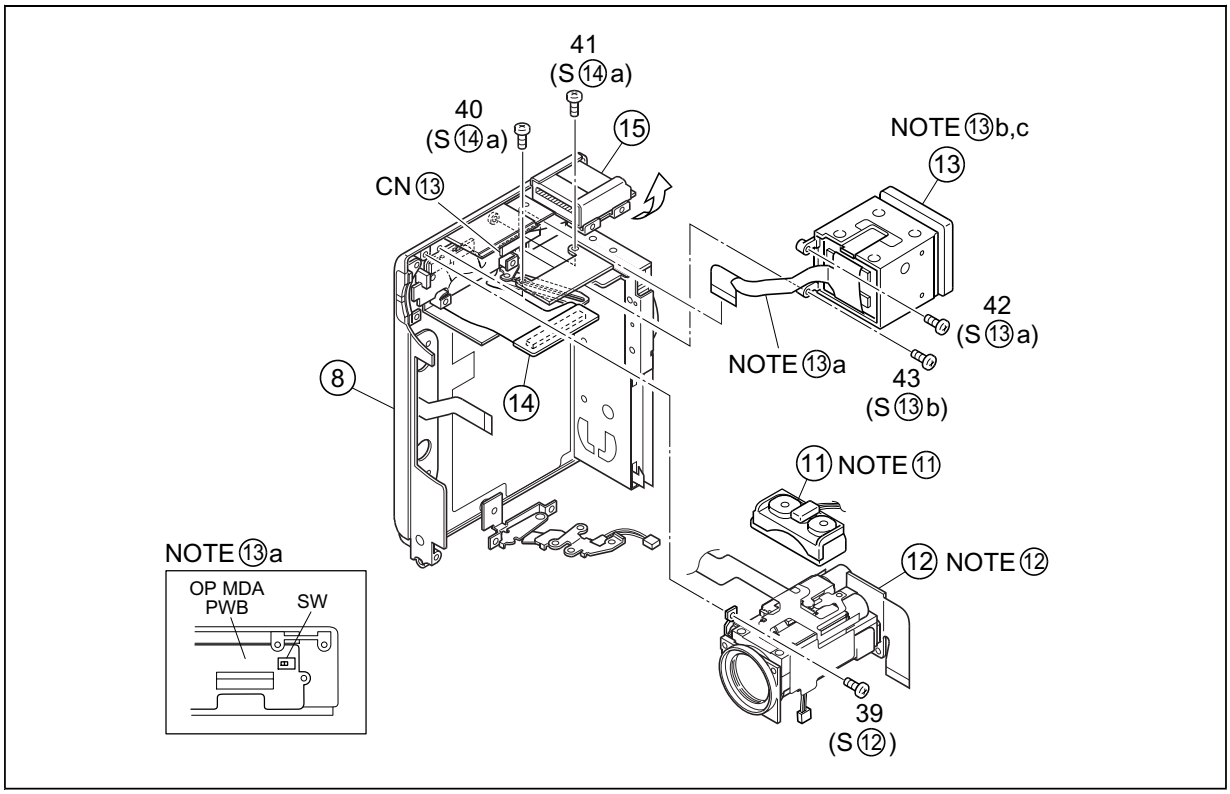


Fig. 1-3-9a

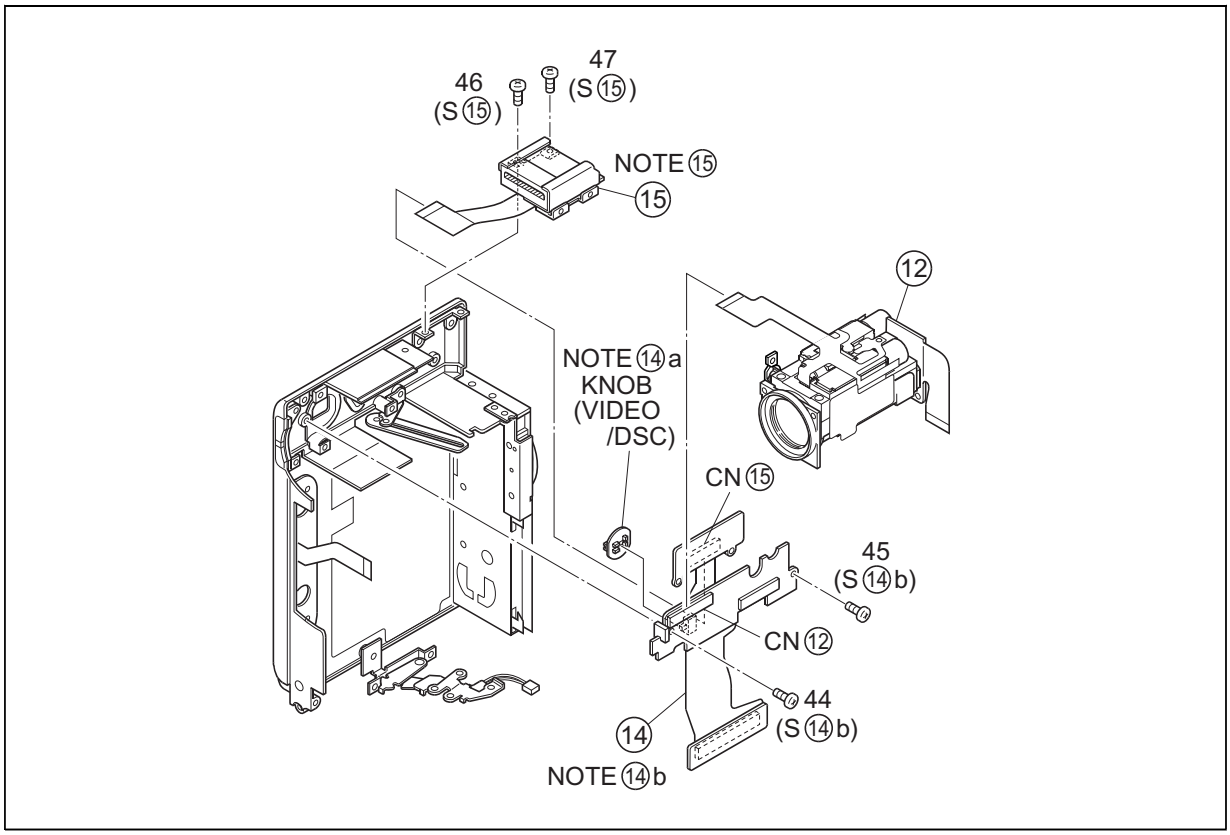


Fig. 1-3-9b

1.4 DISASSEMBLY/ASSEMBLY OF ⑤ MONITOR ASSY

1.4.1 ⑤ MONITOR ASSY/HINGE ASSY

1. Remove the three screws (1 to 3) and then remove the monitor cover by disengaging the two hooks (L⑤a, L⑤b) at the top and bottom.

NOTE⑤a: *Be careful not to lose part (Rib).*

2. Pull out the part (sensor) from the MONITOR CASE ASSY.
3. Release the lock of the connector CN⑤a. Disengage the two hooks (L⑤c, L⑤d) to remove the HINGE ASSY from MONITOR CASE ASSY, then remove the FPC from the HINGE ASSY.

NOTE⑤b: *When removing the parts out of the MONITOR CASE ASSY, be very careful not to damage the FPC and parts.*

4. Take out the LCD MODULE, BACK LIGHT and MONITOR BOARD ASSY from the MONITOR CASE ASSY. Be careful with the hooks (L⑤e, L⑤f) on the two sides. Disconnect the FPC ASSY from the connector (CN⑤b) and remove the LCD MODULE. Be careful with the hooks (L⑤g ,L⑤h) on the two sides.

1.4.2 HINGE ASSY

1. Remove the two screws (4,5) to take out the FPC ASSY while removing the HINGE COVER (L).

NOTE⑤c: *Be careful not to lose any part during the above-mentioned process.*

2. Remove the HINGE COVER (U) from HINGE ASSY.
3. Remove the FPC ASSY from the HINGE ASSY.

NOTE⑤d: *Be careful not to lose any part during the abobe mentioned process.*

NOTE⑤e: *When reassembling, wind the FPC ASSY around the HINGE ASSY by three turns and a half. Be careful not to break the FPC wire during the work.*

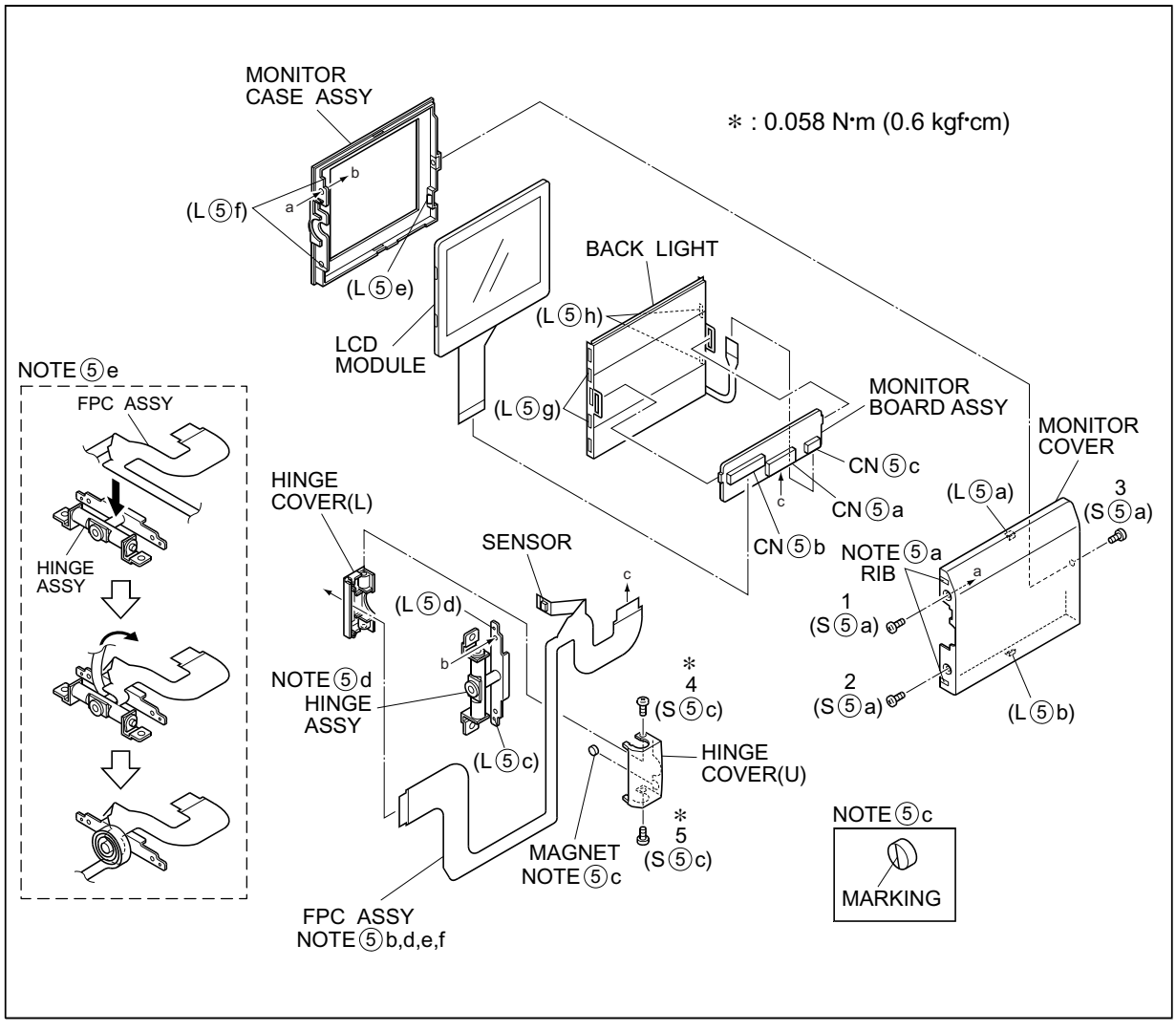


Fig. 1-4-1

1.5 DISASSEMBLY/ASSEMBLY OF ⑧ LOWER CASE ASSY

When performing disassembly/assembly work to this model, the parts that are most complicated and require special attention are the E. VF UNIT and the OP MDA BOARD ASSY, OP BLOCK ASSY and SHOE ASSY, all of which are mounted inside the LOWER CASE ASSY.
Care should be taken in handling these parts as they are mounted inside the LOWER CASE ASSY (except the E.VF UNIT) and there is a lack of adequate space to work conveniently. This section gives further details regarding the disassembly procedures, although they have been described in previous sections.

1. See Fig. 1-5-1.

(1) While moving the ⑪ MICROPHONE out of way, remove the screw (39) and take out the ⑫ OP BLOCK ASSY.

(2) Remove two screws (40, 41) and open the ⑭ OP MDA BOARD ASSY.

(3) Remove two screws (42, 43) to disconnect the connector (CN203), then take out the FPC to remove the ⑬ E. VF UNIT.

NOTE ⑬a **:** *Be careful not to damage the FPC or the switches when carrying out this work.*

2. See Fig. 1-5-2.

(1) Remove the two screws (44, 45) in order to free the ⑭ OP MDA board assembly.

(2) Remove the two screws (46, 47) and take out the ⑭ OP MDA BOARD ASSY together with the ⑫ OP BLOCK ASSY and the ⑮ SHOE ASSY.

NOTE⑫: *Be careful not to lose the KNOB(VIDEO/DSC), which may slip out during the disassembly.*

(3) Disconnect the FPCs from the connectors on the ⑫ OP BLOCK ASSY and the ⑮ SHOE ASSY.

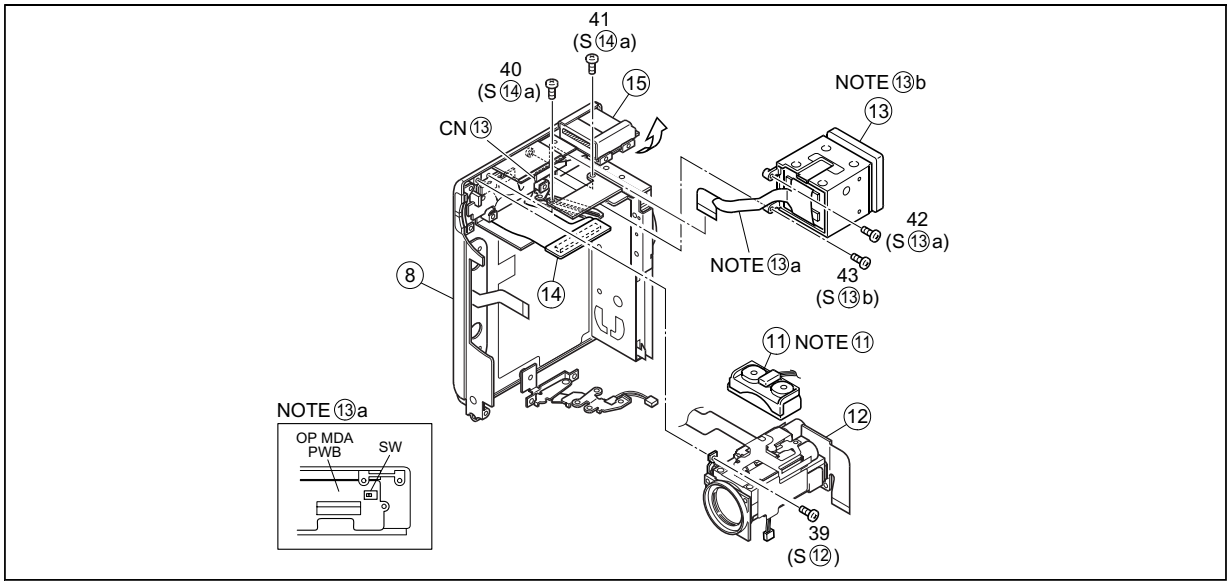


Fig. 1-5-1

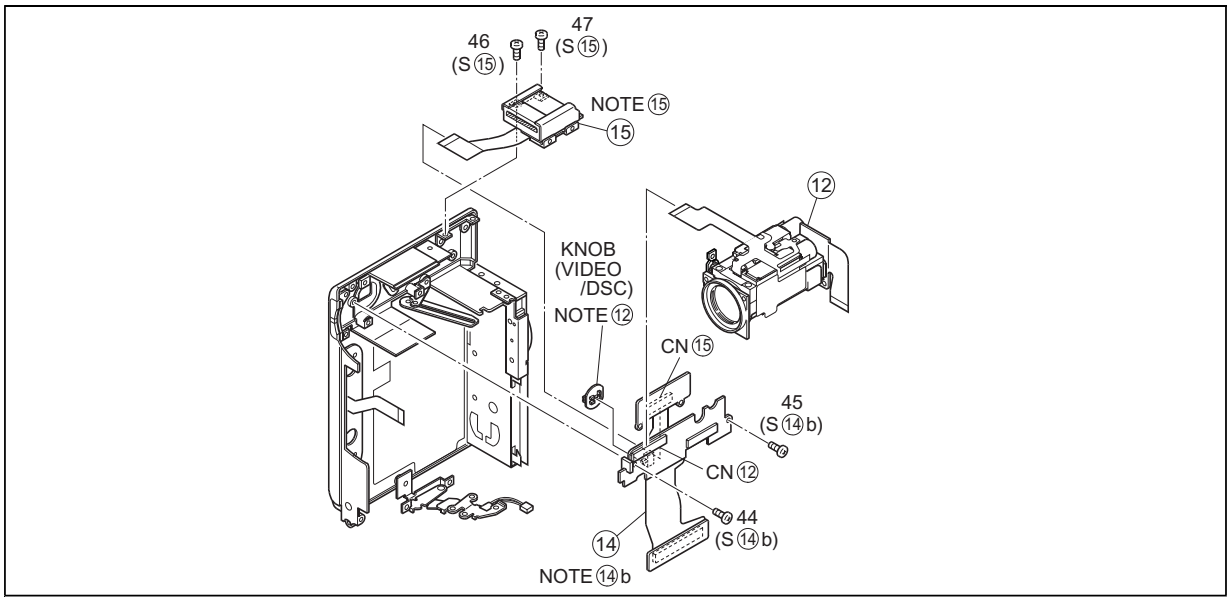


Fig. 1-5-2

1.6 DISASSEMBLY/ASSEMBLY OF ⑫ OP BLOCK ASSY (CCD BOARD ASSY)

1.6.1 Precautions

1. Carefully handle the CCD IMAGE SENSOR, OP LPF, LENS, etc. during the disassembly work. Pay the most careful attention to the surface of those parts not to get it soiled, scratched or dusty. If some of those surfaces gets soiled with fingerprints, etc., wipe it out with silicone paper, clean chamois, cleaning cloth or the like.
2. The new CCD IMAGE SENSOR is occasionally shipped from the factory as a protection seal is applied onto its transparent glass. If so, leave the protection seal as it is and remove it just before installing the CCD IMAGE SENSOR in the OP BLOCK ASSY.
3. The orientation of the OP LPF is an important factor for installation. If there some marking on the OP LPF, be sure to note it down before removing and to reassemble it very carefully as it was referring to the marking.

1.6.2 Disassembly method

1. Unsolder at the 14 points (SD⑫) and remove the CCD BOARD ASSY.
2. Remove the two screws (1, 2) and then remove the CCD BASE ASSY.

NOTE⑫a: *Carefully remove the CCD BASE ASSY, because the SPACE RUBBER and OP LPF may be removed together with the CCD IMAGE SENSOR.*

NOTE⑫b: *When replacing the CCD IMAGE SENSOR, don't replace it individually but replace the CCD BASE ASSY in whole with a new one.*

1.6.3 Assembly method

1. Install the OP LPF with the ⑫ OP BLOCK ASSY.
2. With the SPACER RUBBER left attached to the CCD BASE ASSY, install the assembly in the OP BLOCK ASSY and clamp it using the two screws (1, 2).
3. Set the CCD BOARD ASSY in the CCD BASE ASSY, and fasten it by soldering at the 14 points (SD⑫).

1.6.4 Replacement of service parts

Service parts to be supplied for the OP BLOCK ASSY are as follows.
When replacing a part, be very careful not to get the FPC wire broken or damaged by soldering (overheating).

1. FOCUS MOTOR
2. ZOOM MOTOR
3. IRIS MOTOR UNIT

NOTE⑫c: *When soldering the FPC wire of the FOCUS MOTOR or ZOOM MOTOR during the replacement work, be sure to keep the tip of a soldering iron approximately 1 mm above the terminal.*

NOTE⑫d: *The IRIS MOTOR UNIT includes one FPC ASSY and two sensors.*

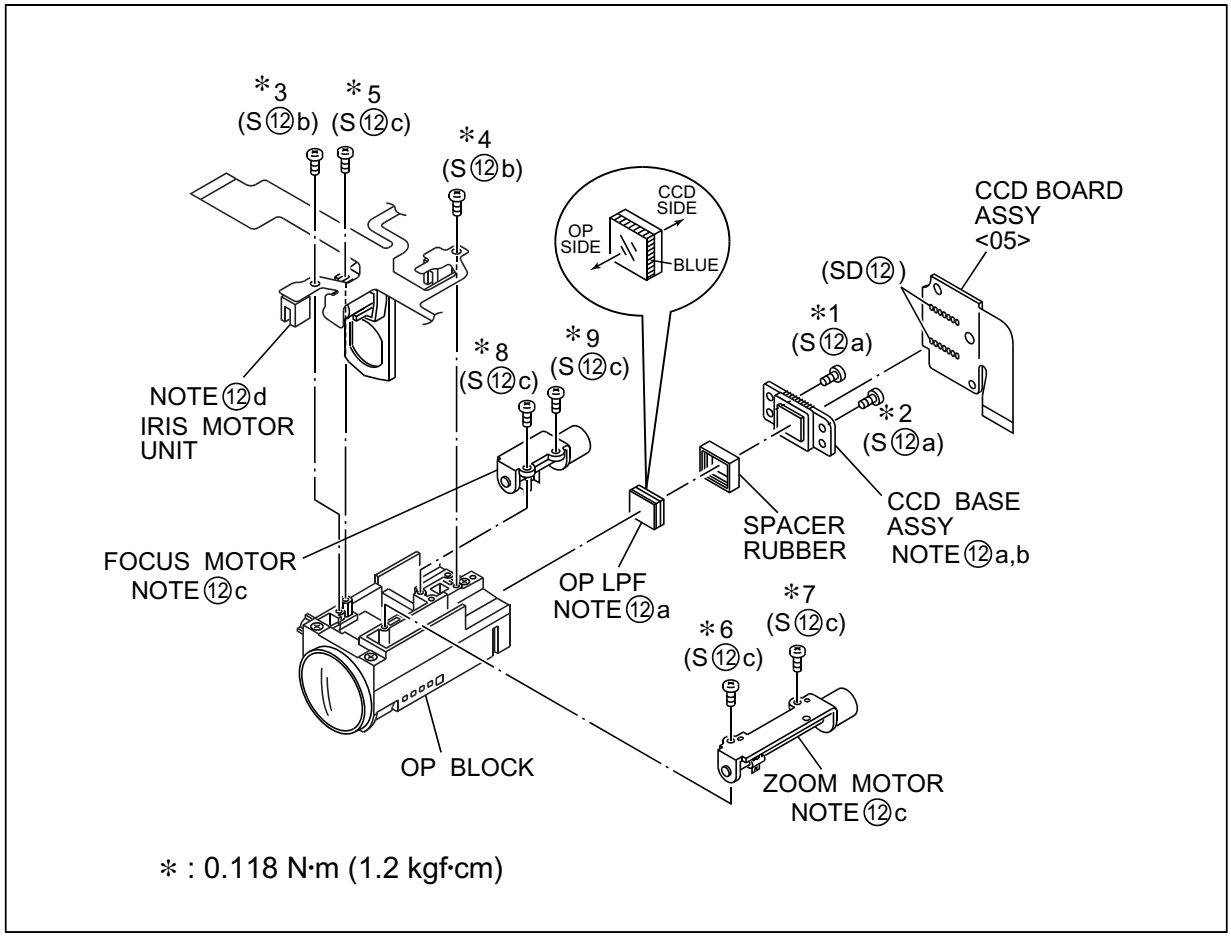


Fig. 1-6-1

1.7 DISASSEMBLY OF ⑬ E. VF UNIT

1.7.1 ⑬E. VF UNIT

NOTE⑬a: *When disassembling the E. VF UNIT, remove the FRAME (VF) from the CASE ASSY depending on the situation.*

NOTE⑬b: *Be very careful not to get the inside of the VF soiled or dusty during and after disassembling the E. VF UNIT.*

1. Draw the FRAME (VF) out of the CASE ASSY.
2. Remove the EYECUP and pull out the GUIDE (VF).

<CASE ASSY>

3. While holding the GUIDE (VF), pull out the CASE ASSY, remove the two screws (1, 2) and remove the CAP (VF).
4. Remove the three screws (3-5) and draw out the EYE PIECE SUB ASSY.

NOTE⑬c: *A LENS ASSY and a LEVER are mounted on the EYE PIECE SUB ASSY. When removing this assembly, be careful not to damage them.*

5. Draw out the GUIDE(VF).

<FRAME (VF)>

6. Remove the screw (6) first and then LCD MODULE/ HOLDER (LCD).
7. Get the two hooks (L⑬a, L⑬b) disengaged and then remove the HOLDER (LCD).

NOTE⑬d: *Carefully proceed with the above-mentioned work not to damage any part.*

8. Disconnect the connector (CN⑬b) and remove the LCD MODULE.

NOTE⑬e: *Pay heed the parts not to damage any thing.*

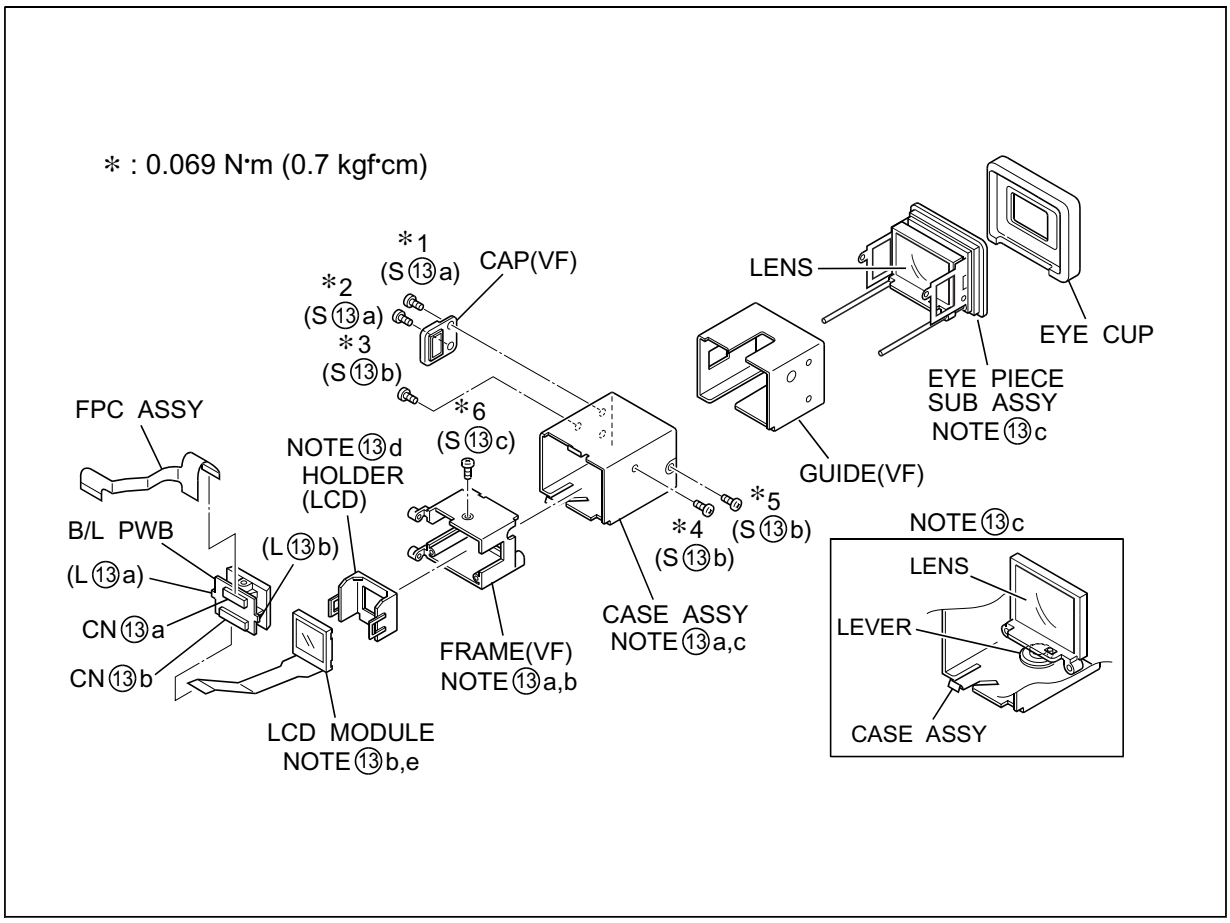


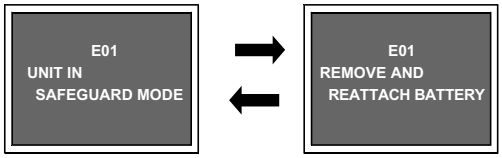
Fig. 1-7-1

1.8 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).
In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



LCD display	Emergency mode	Details	Possible cause
E01	LOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. 3. No power is supplied to the loading MDA.
E02	UNLOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.
E03	TU & SUP REEL FG	In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03]. However, no REEL EMG is detected in the SLOW/STILL mode.	1. The idler gear does not engage with the reel disk well. 2. Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism. 3. No FG pulse is output from the reel sensor. 4. No power is supplied to the reel sensor. 5. Tape transport operation takes place with a cassette having no tape inside. 6. The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status.
E04	DRUM FG	In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off.	1. The drum cannot be started or drum rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. 2) The tape is damaged or soiled with grease, etc. 2. The DRUM FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the DRUM FG pulse generator (hall element). 3. No drum control voltage is supplied to the MDA. 4. No power is supplied to the DRUM MDA.
E05	–	–	–
E06	CAPSTAN FG	In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off. However, no CAPSTAN EMG is detected in the STILL/FF/REW mode.	1. The CAPSTAN FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the CAPSTAN FG pulse generator (MR element). 2. No capstan control voltage is supplied to the MDA. 3. No power is supplied to the CAPSTAN MDA. 4. The capstan cannot be started or capstan rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. (Mechanical locking) 2) The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.)

(DVC_03)

Table 1-8-1

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

Symbol No. →	①	②		③			④										⑤				⑥
Removing order of screw →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Place to stick screw →					✻	✻		✻									✻	✻	✻	✻	
Reference drawing →	Fig.1-3-1	Fig.1-3-2					Fig.1-3-3b										Fig.1-3-4				Fig.1-3-5
Screw tightening torque →	I										II		I				III				I

Symbol No. →	⑦								⑧			⑨		⑩				⑪ / ⑫			⑬		⑭		⑮	
Removing order of screw →	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Place to stick screw →																							✻	✻	✻	✻
Reference drawing →	Fig.1-3-6								Fig.1-3-7			Fig.1-3-8						Fig.1-3-9a					Fig.1-3-9b			
Screw tightening torque →	I																									

1.4 DISASSEMBLY/ASSEMBLY OF ⑤ MONITOR ASSY

Symbol No. →	⑤				
Removing order of screw →	1	2	3	4	5
Place to stick screw →	✻	✻	✻		
Reference drawing →	Fig.1-4-1				
Screw tightening torque →	I			V	

1.7 DISASSEMBLY/ASSEMBLY OF ⑬ E. VF UNIT

Symbol No. →	⑬					
Removing order of screw →	1	2	3	4	5	6
Place to stick screw →						
Reference drawing →	Fig.1-7-1					
Screw tightening torque →	IV					

1.6 DISASSEMBLY/ASSEMBLY OF ⑫ OP BLOCK ASSY (CCD BOARD ASSY)

Symbol No. →	⑫								
Removing order of screw →	1	2	3	4	5	6	7	8	9
Place to stick screw →									
Reference drawing →	Fig.1-6-1								
Screw tightening torque →	II								

< NOTE >

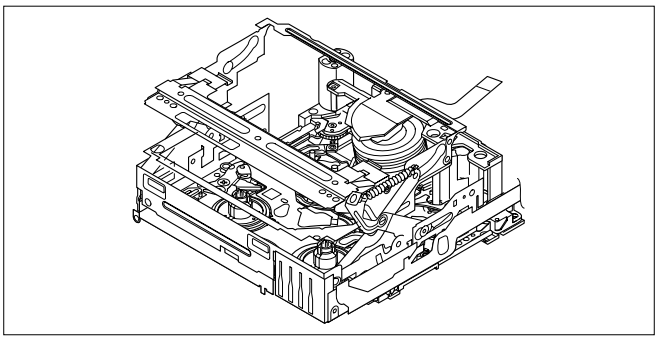
1) ✻ : Don't reuse the screw, because screw lock bond was applied to them.
2) Pay careful attention to tightening torque for each screw.

I : 0.078N·m (0.8kgf·cm)　　II : 0.118N·m (1.2kgf·cm)　　III : 0.098N·m (1.0kgf·cm)
IV : 0.069N·m (0.7kgf·cm)　　V : 0.058N·m (0.6kgf·cm)

Table 1-9-1

SECTION 2
MECHANISM

For disassembling and assembling of MECHANISM ASSEMBLY, refer to the SERVICE MANUAL No.86700(MECHANISM ASSEMBLY).



MECHANISM ASSEMBLY

SECTION 3
ADJUSTMENT

3.1 PRECAUTION

3.1.1 Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E^2PROM (IC1003 of MAIN board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.
3. Shortcircuit between operation unit and DECK chassis.

3.1.2 Required test equipment

1. Color TV monitor
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

Note : *It is recommended to use one observable 300 MHz or higher frequency.*

4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3.1.3 Tools required for adjustments

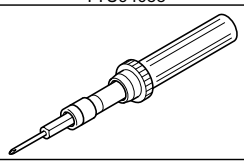
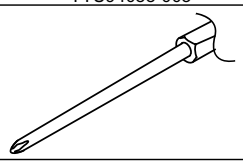
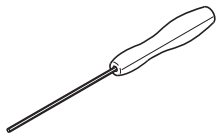
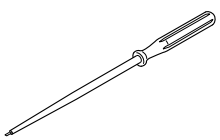
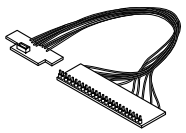
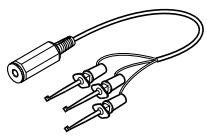
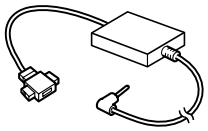
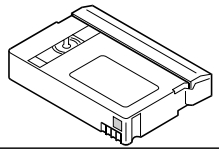
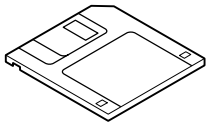
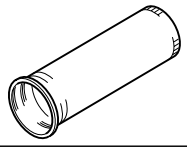
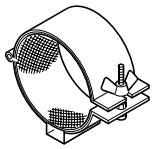
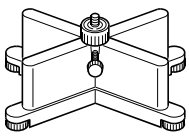
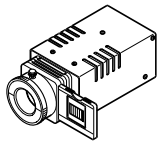
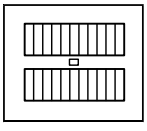
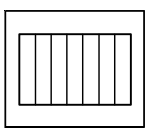
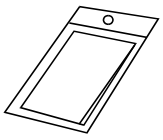
1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Guide driver (Hexagonal) D-770-1.27	4 Adjustment driver YTU94028
	
5 Jig connector cable YTU93106C	6 Communication cable YTU93107A
	
7 PC cable QAM0099-005	8 Alignment tape MC-1
	
9 Service support system YTU94057-66	10 INF adjustment lens YTU92001B
	
11 INF adjustment lens holder YTU94087	12 Camera stand YTU93079
	
13 Light box assembly YTU93096A	14 Gray scale chart YTU94133A
	
15 Color bar chart YTU94133C	16 Cleaning cloth KSMM-01
	

Table 3-1-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Guide driver**
   To be used to turn the guide roller to adjustment of the linearity of playback envelope.
4. **Adjustment driver**
   To be used for adjustment.
5. **Jig connector cable**
   To be connected to the Jig connector jack of the main board and used for measurement and adjustment.

MAIN CN114			JIG CONN. BOARD (PIN NO.)	
VF_RPD	40		40	VF_RPD
CVF_G		20	39	CVF_R
CVF_R	39		38	VF_COM
CVF_B		19	37	MT_G
VF_COM	38		36	MT_B
MT_RPD		18	35	MT_PSIG
MT_G	37		33	SBE
MT_R		17	32	FRP
MT_B	36		31	DISCRI
MT_COMCS		16	30	ATFI
MT_PSIG	35		29	ENV_OUT
GND		15	28	TRST
GND	34		27	TMS
MONI_CHG		14	26	TDI
SBE	33		25	JLIP_TX
SPA		13	20	CVF_G
FRP	32		19	CVF_B
FS_PLL		12	18	MT_RPD
DISCRI	31		17	MT_R
HID1		11	16	MT_COMCS
ATFI	30		15	GND
MAIN_VCO		10	14	MONI_CHG
ENV_OUT	29		13	SPA
PB_CLK		9	12	FS_PLL
TRST	28		11	HID1
TCMK		8	10	MAIN_VCO
TMS	27		9	PB_CLK
TDO		7	8	TCMK
TDI	26		7	TDO
JLIP_RX		6	6	JLIP_RX
JLIP_TX	25			
IF_TX		5		
AL_3VSYS	24			
CJIG_RST		4		
VPPC	23			
SRV_RX		3		
SRV_TX	22			
REG_3V		2		
DRST	21			
VPPD		1		

NOTE)
The JIG connector board uses 30 of the 40 pins of CN114 on the Main board.
Pins 1 to 5, 21 to 24 and 34 of CN114 on the Main board are not used.

Fig. 3-1-3-1

6. **Communication cable**
   Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
7. **PC cable**
   To be used to connect the Videocamera and a personal computer with each other when a personal computer issued for adjustment.
8. **Alignment tape**
   To be used for check and adjustment of interchangeability of the mechanism.
9. **Service support system**
   To be used for adjustment with a personal computer. Software can be downloaded also from JS-net.
10. **INF adjustment lens**
    To be used for adjustment of the camera system. For the usage of INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.
11. **INF lens holder**
    To be used together with the camera stand (12) for operating the Videocamera in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring. For the usage of the INF lens holder, refer to the Service Bulletin No. YA-SB-10035.
12. **Camera stand**
    To be used together with the INF adjustment lens holder. For the usage of the Camera stand, refer to the Service Bulletin No. YA-SB-10035.
13. **Light box assembly**
    To be used for adjustment of the camera system. For the usage of the Light box assembly, refer to the Service Bulletin No. YA-SB-10035.
14. **Gray scale chart (for Light box assembly)**
    To be used for adjustment of the camera system. For the usage of the Gray scale chart, refer to the Service Bulletin No. YA-SB-10035.
15. **Color bar chart (for Light box assembly)**
    To be used for adjustment of the camera system. For the usage of the Color bar chart, refer to the Service Bulletin No. YA-SB-10035.
16. **Cleaning cloth**
    Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

3.2 MECHANISM COMPATIBILITY ADJUSTMENT

Note:
When an adjustment is performed with the lower case cover attached, first slide the Cover (M.ADJ) open and then perform the compatibility adjustment.
Be sure not to damage the cover plate when sliding it open to make an adjustment because it must be re-positioned after completing the adjustment.

3.2.1 Jig connector cable connection

Remove one screw (1) first and the cover (JIG) next.

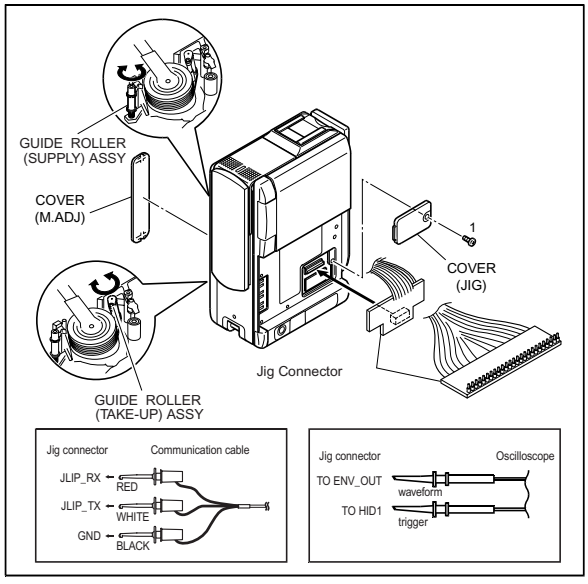


Fig. 3-2-1-1

3.2.2 Tape pattern check

(1) Play back the compatibility adjustment tape.

(2) While triggering the HID1, observe the waveform of ENV_OUT.

(3) Confirm that the waveform is free from remarkable level-down, and entirely parallel and straight.
Moreover, perform the following adjustment as required.

(4) In case any level-down is observed on the left hand side, straighten the level by turning the GUIDE ROLLER(SUPPLY).
In case any level-down is observed on the right hand side, however, straighten the level by turning the GUIDE ROLLER(TAKE-UP).

(5) After adjustment, try the unloading motion once, and confirm that the waveform is flat (straight) when the tape has been played back again.
Moreover, perform readjustment as required.

(6) When the recording has been played back again, play back the self-recording to confirm that the waveform is flat.

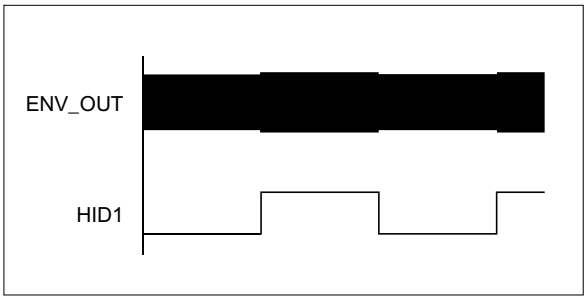


Fig. 3-2-2-1

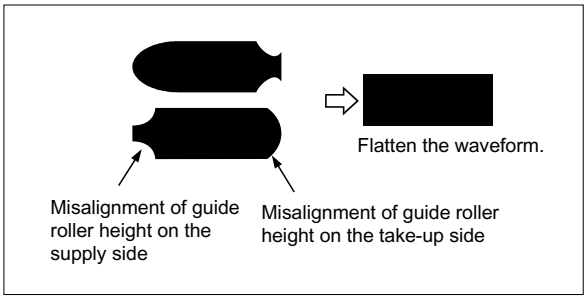

Flatten the waveform.
Misalignment of guide roller height on the supply side
Misalignment of guide roller height on the take-up side

Fig. 3-2-2-2

3.3 ELECTRICAL ADJUSTMENT

3.3.1 Electrical adjustment with PERSONAL COMPUTER

Electrical adjsutment except for B/W VF ASSEMBLY is performed by using PERSONAL COMPUTER. As for the cable connection, see Fig. 3-3-1-1. Read README.TXT file to use the software for SERVICE SUPPORT SYSTEM properly.

3.3.2 Setup

1. Setup for electrical adjustment with personal computer.

NOTE: *Remove one screw (1) first and the cover (JIG) next.*

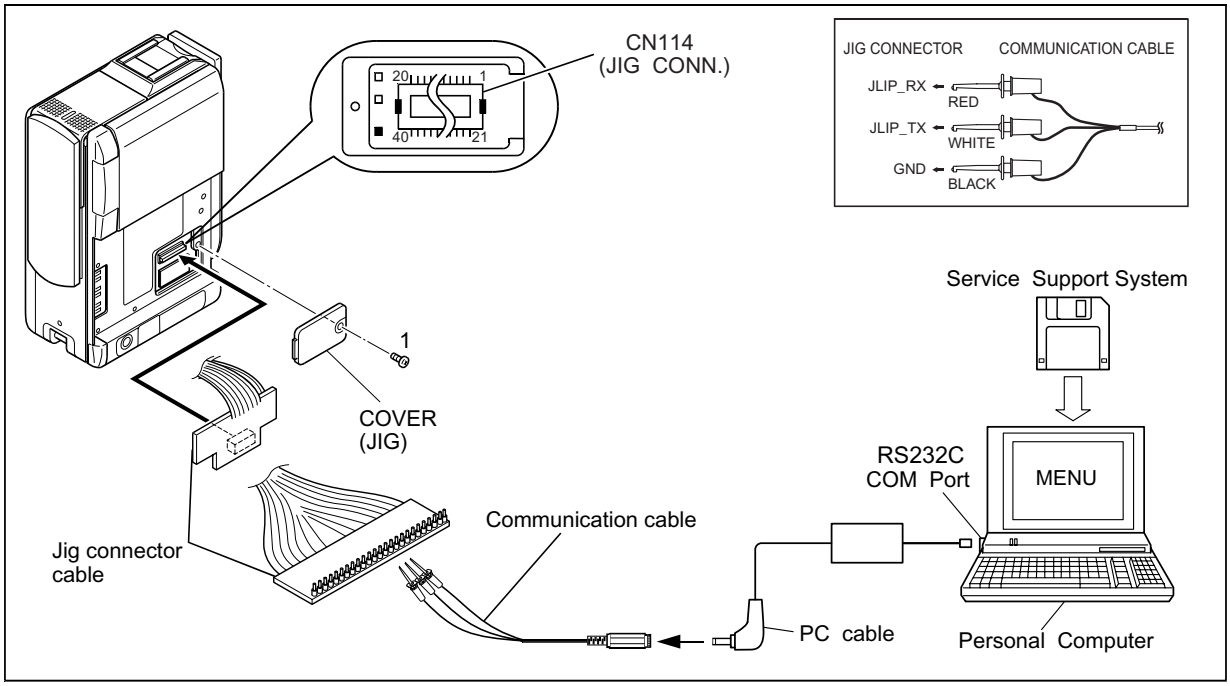


Fig. 3-3-1-1 Connection for Service support system

SECTION 5
PARTS LIST

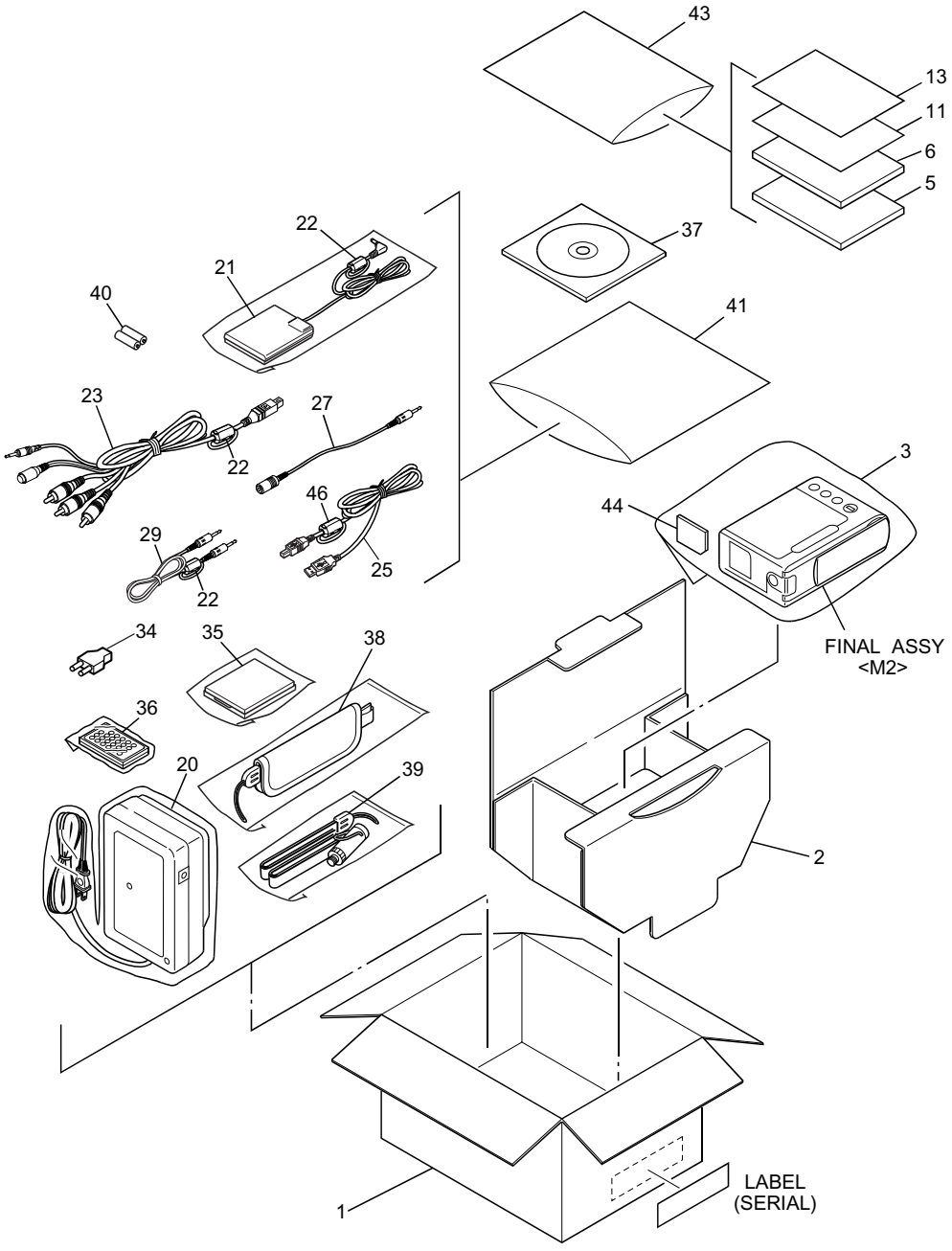
5.1 EXPLODED VIEW

SAFETY PRECAUTION

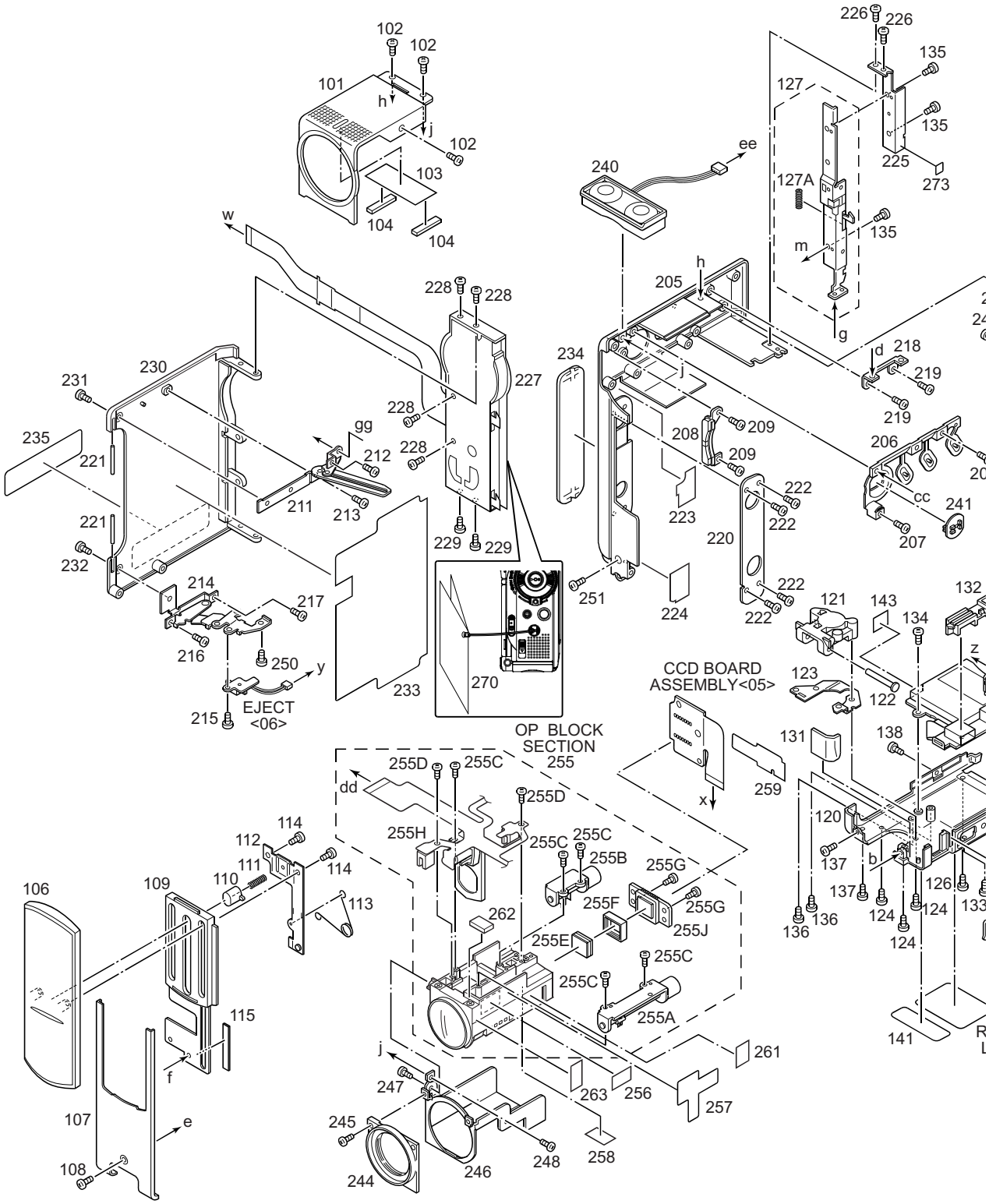
Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.
BEWARE OF BOGUS PARTS
Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

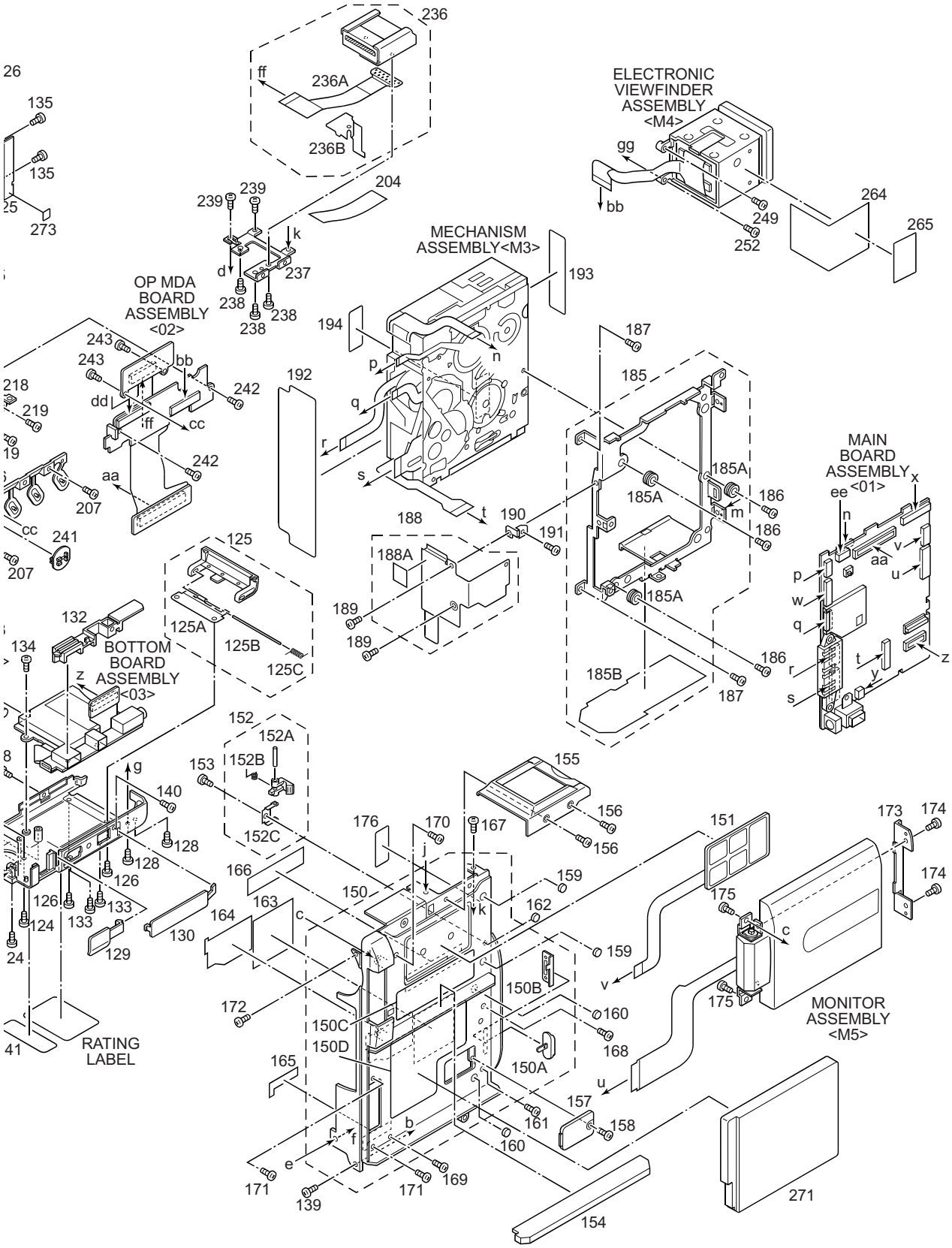
5.1.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.

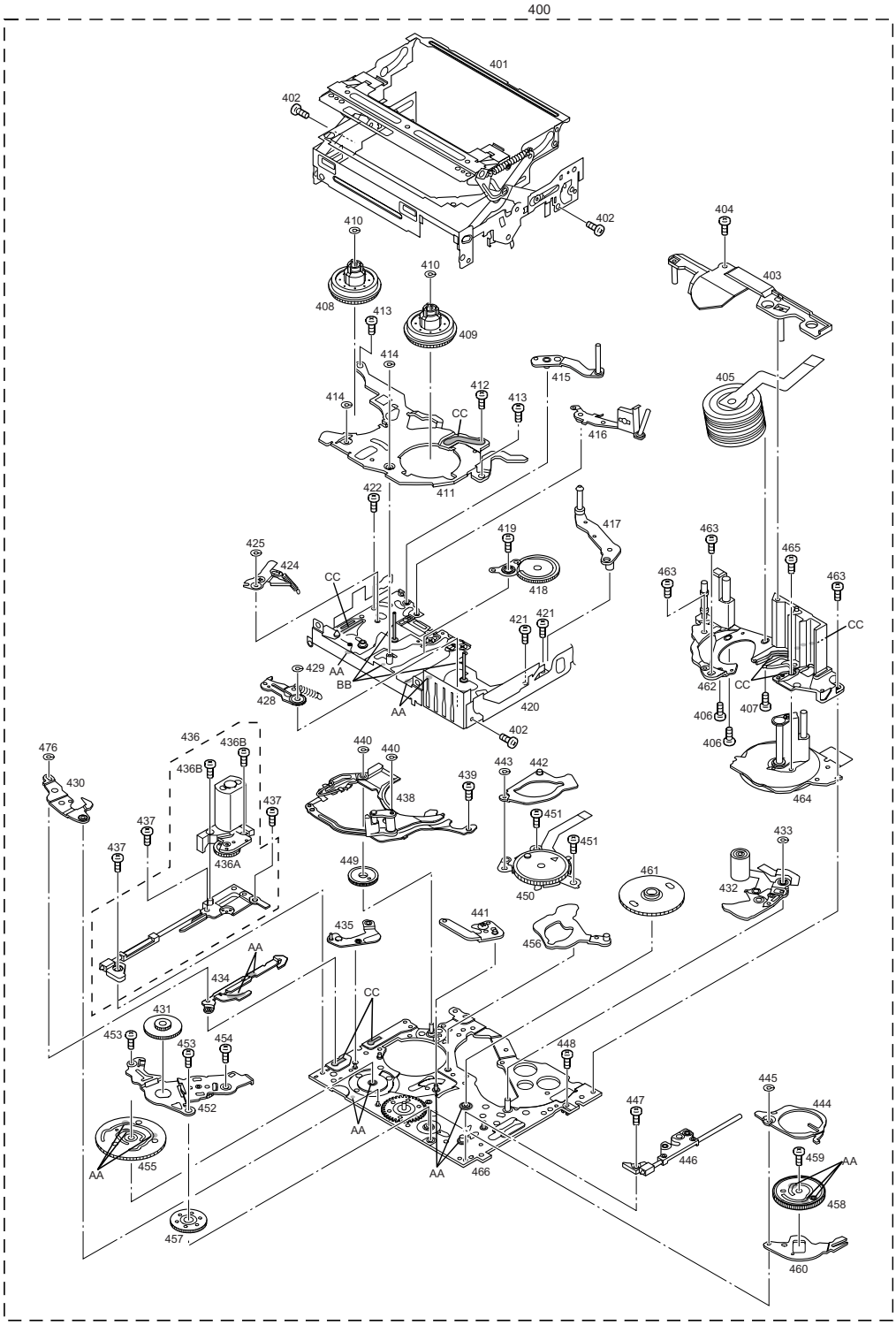


5.1.2 FINAL ASSEMBLY <M2>




236
236A
236B
ff
204
239
k
d
237
238
ELECTRONIC VIEWFINDER ASSEMBLY <M4>
gg
bb
249
252
264
265
MECHANISM ASSEMBLY<M3>
193
194
p
n
q
r
s
t
OP MDA BOARD ASSEMBLY <02>
243
bb
242
dd
ff
cc
aa
207
218
219
241
192
188
190
191
187
185
185A
186
m
188A
189
185B
MAIN BOARD ASSEMBLY <01>
ee
x
n
v
aa
u
p
w
q
t
z
r
y
s
125
125A
125B
125C
132
134
BOTTOM BOARD ASSEMBLY <03>
z
152
152A
152B
153
152C
155
156
167
170
176
151
173
174
175
c
MONITOR ASSEMBLY <M5>
g
140
128
126
133
124
24
130
129
166
163
164
150
159
162
k
150B
160
150C
150D
150A
165
172
168
157
161
158
b
f
e
171
139
169
154
271
RATING LABEL
41

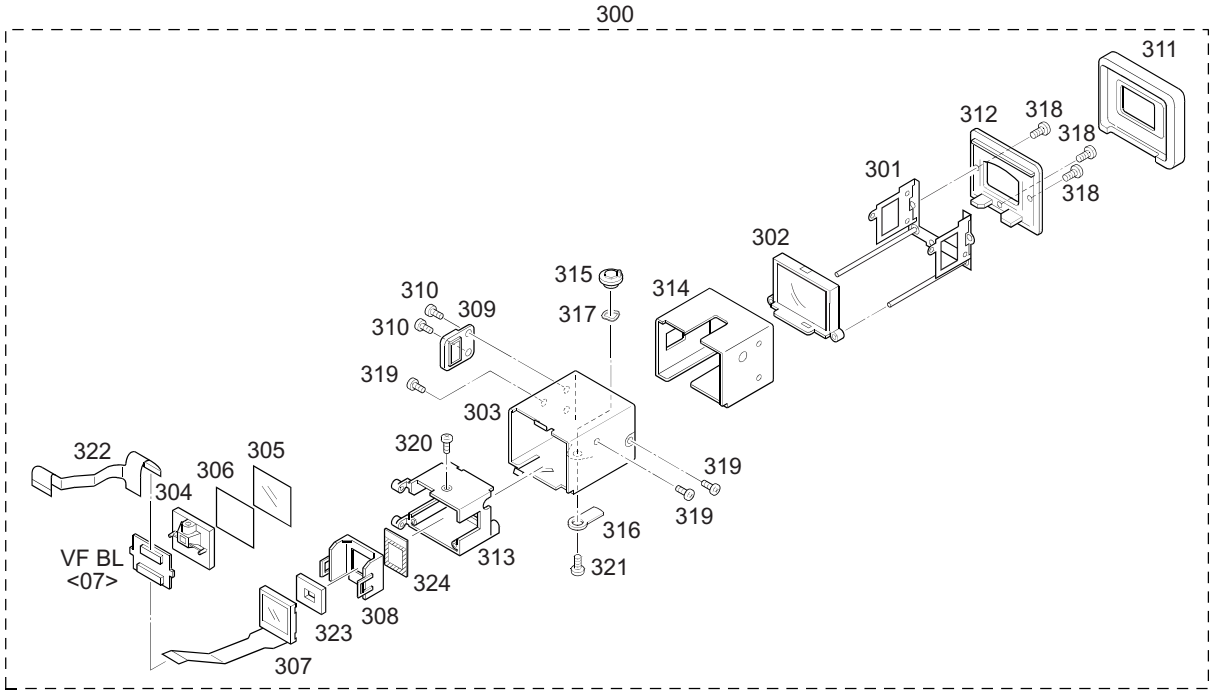
5.1.3 MECHANISM ASSEMBLY <M3>



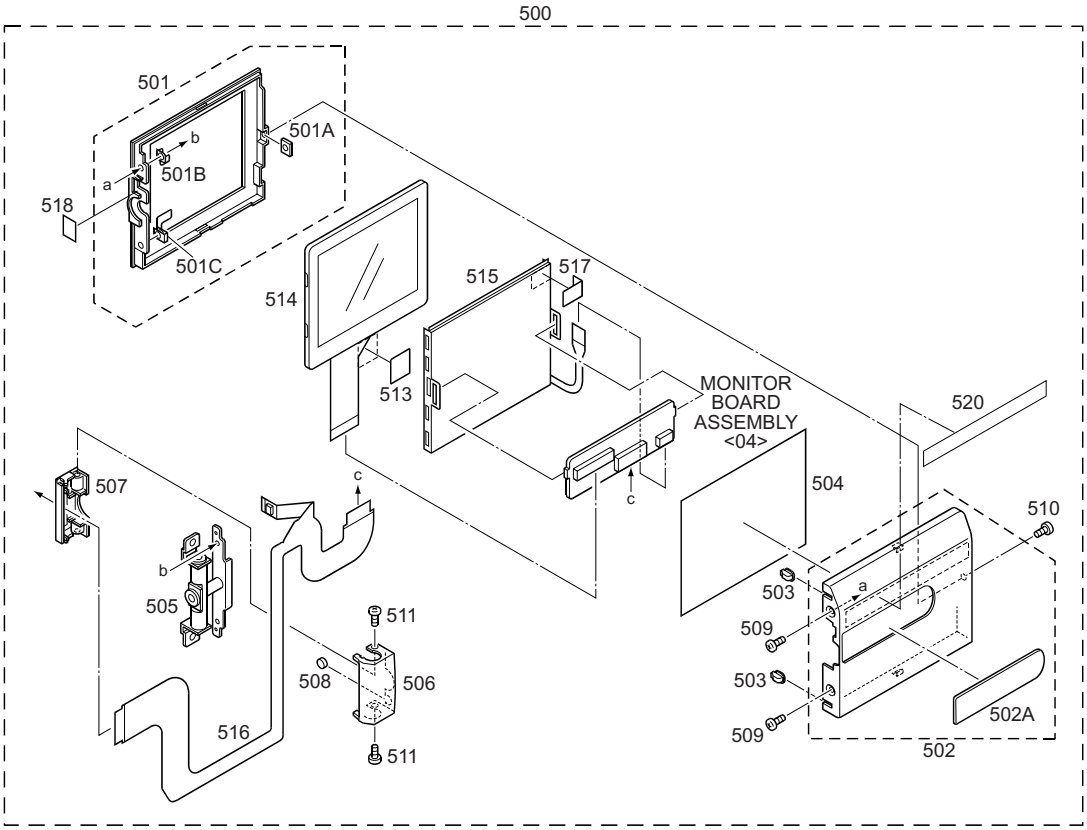
Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-JB	AA
Oil	YTU94027	BB
Grease (HANARL)	RX-410R	CC

NOTE: The section marked in **AA** and **BB**, **CC** indicate lubrication and greasing areas.

5.1.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4>



5.1.5 MONITOR ASSEMBLY <M5>



5.2 PARTS LIST

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION

****

PACKING AND ACCESSORY PARTS LIST<M1>

	1	LY32303-014C	PACKING CASE
	2	LY20763-001A	CUSHION
	3	LY30023-003A	POLY BAG
⚠	5	LYT1147-001A	INST.BOOK(ENGLISH),DVP9AA
⚠	5	LYT1147-002A	INST.BOOK(CHINESE),DVP9AG
⚠	5	LYT1147-003A	INST.BOOK(RUSSIAN),DVP9AG
⚠	5	LYT1147-004A	INST.BOOK(ARABIC),DVP9AG
⚠	5	LYT1147-005A	INST.BOOK(GERMAN),DVP9AG
⚠	5	LYT1147-006A	INST.BOOK(FRENCH),DVP9AG
	6	LYT1085-001A	INST.BOOK(SOFT.ENGLISH),DVP9AA
	6	LYT1085-002A	INST.BOOK(SOFT.GERMAN),DVP9AG
	6	LYT1085-003A	INST.BOOK(SOFT.FRENCH),DVP9AG
	6	LYT1085-011A	INST.BOOK(SOFT.RUSSIAN),DVP9AG
	6	LYT1085-015A	INST.BOOK(SOFT.CHINESE),DVP9AG
	11	BT-56012-1	WARRANTY CARD,DVP9AA
⚠	13	LYT0609-001A	SHEET(CON.PLUG),DVP9AG
⚠	20	LY20754-005B	AC POWER ADAPTER/CHARGER,AA-V100EA,DVP9AA
⚠	20	LY20754-008B	AC POWER ADAPTER/CHARGER,AA-V100A,DVP9AG
	21	LY32226-002B	DC CORD ASSY
	22	QQR0917-002	CORE FILTER,X3
	23	QAM0415-001	MULTI CABLE,S/AV/EDITING CABLE
	25	QAM0451-001	USB CABLE
	27	QAM0402-001	RM CABLE,EDITING EXTENSION CABLE
	29	QAM0213-001	AUDIO CABLE
⚠	34	PEMC1012	CONVERSION PLUG,DVP9AG
⚠	35	LY32203-003A	BATTERY PACK,BN-V107U-S
	36	LY20750-001A	REMOTE CONTROL UNIT,RM-V717U
	37	LY32210-051A	CD ROM ASSY
	38	LY20762-001B	GRIP BELT
	39	LY21040-002A	STRAP
	40	—	BATTERY,AAA(R03),X2
	41	QPA01703005	POLY BAG
	43	QPA02003506	POLY BAG,DOCUMENT
	44	QAM0342-002	*MEMORY CARD,8MB(SD)
	46	QQR0491-001	CORE FILTER,FOR USB CABLE

*NOTE :
DATA FILE is not contained in MEMORY CARD of the service part.

****

FINAL PARTS LIST<M2>

101	LY20845-003A	MIC COVER
102	LY30018-043B	SPECIAL SCREW,X3 MIC CO
103	LY43164-001A	SHEET(MIC)
104	LY30029-0L7A	SPACER(A),X2
106	LY43927-004A	COVER(SHUT)ASSY
107	LY32228-002A	COVER(UNDER)
108	LY30018-0A2A	SPECIAL SCREW,COV(UND-UP)
109	LY43104-001G	GUIDE(SHUT)ASSY
110	LY32990-001A	KNOB(SHUTTER)
111	LY30002-022A	COMPRESSION SPRING
112	LY43106-001B	SLIDE PLATE(B)ASSY
113	LY43225-001A	TORSION SPRING
114	LY30018-0D2A	SPECIAL SCREW,X2
115	LY30029-0Z9A	SPACER(A)
120	LY20844-003G	BOTTOM COVER
121	LY32253-002A	BASE
122	LY43107-001B	SHAFT
123	LY43443-001A	BASE PLATE
124	LY30018-093A	SPECIAL SCREW,X3 BOTT-BASE
125	LY32279-002D	COVER(SD)ASSY
125A	LY32242-001C	BRACKET(SD)
125B	LY43111-001A	SHAFT(SD.COVER)
125C	LY43047-001B	TORSION SPRING
126	LY30018-043B	SPECIAL SCREW,X2 BOTT-SDCOV
127	LY32612-001B	BATTERY LOCK ASSY
127A	LY30002-038A	COMPRESSION SPRING
128	LY30018-032A	SPECIAL SCREW,X2 BO-BKT
129	LY43487-001B	DV COVER ASSY
130	LY32637-003A	MULTI/USB COVER
131	LY32622-001C	IR WINDOW
132	LY32683-001B	BOTTOM BOARD J.HOLDER
133	LY30018-032A	SPECIAL SCREW,X2 BOT-BP.BKT
134	LY30018-043A	SPECIAL SCREW
135	LY30018-055A	SPECIAL SCREW,X3
136	LY30018-0G8A	SPECIAL SCREW,X2,BOTT-ARM2
137	LY30018-0D8A	SPECIAL SCREW,X2,SHOE CO-UP
138	LY30018-0G3A	SPECIAL SCREW
139	LY30018-0A2A	SPECIAL SCREW,BOTTOM-UPPE
140	LY30018-0A2A	SPECIAL SCREW,UPPER-BOTTM
⚠ 141	LY43597-001A	CAUTION LABEL
143	LY30029-0Z6A	SPACER(A)
150	LY32635-003G	UPPER CASE ASSY
150A	LY32250-002A	KNOB(BATTERY LOCK)
150B	LY43378-001A	STOPPER PLATE
150C	LY43575-001A	SHEET(CAUTION)
150D	LY43210-002B	LABEL(UPPER)
151	LY32625-003B	SUB OPE UNIT
152	LY43064-001B	KNOB(LOCK) ASSY
152A	LY43081-001A	SHAFT(LOCK)
152B	LY43080-001A	TORSION SPRING(LOCK)
152C	LY43079-001A	BRACKET(LOCK)
153	LY30018-081A	SPECIAL SCREW
154	LY32621-002A	ORNAMENT
155	LY32628-001A	SHOE COVER
156	LY30018-0A2A	SPECIAL SCREW,X2 SHOE CO
157	LY41393-005A	COVER(JIG CONN)
158	LY30018-070A	SPECIAL SCREW,JIG COV
159	LY42350-002A	FOOT,X2
160	LY42350-001A	FOOT,X2
161	LY30018-0A2A	SPECIAL SCREW,UP-BKT
162	LY43196-001A	SHEET(UPPER)
163	LY30030-0T6A	SHEET(A)
164	LY43598-001A	SHEET(UPPER)1
165	LY43599-001A	SHEET(UPPER)2
166	LY30029-0N3A	SPACER(A)
167	LY30018-070A	SPECIAL SCREW,UP-SHOEBKT
168	LY30018-070A	SPECIAL SCREW,UP-BKT
169	LY30018-032A	SPECIAL SCREW,UP-DV
170	LY30018-070A	SPECIAL SCREW,UP-OP BKT
171	LY30018-0D8A	SPECIAL SCREW,X2 UP-B.TERM
172	LY30018-0A2A	SPECIAL SCREW,UPP-OP BKT
173	LY32623-001B	GUIDE(MONITOR)
174	LY30018-032A	SPECIAL SCREW,X2 GUIDE
175	LY30018-099A	SPECIAL SCREW,X2 M-UP
176	LY30030-066A	SPACER(A)
185	LY43435-001C	MECHA BRACKET ASSY
185A	LY42796-001A	BUSH,X3
185B	LY43769-001A	MECHA/ARM SHEET
186	LY30019-028A	SPECIAL SCREW,X3
187	LY30018-053A	SPECIAL SCREW,X2

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
188	LY43190-001A	SHIELD ASSY
188A	LY43189-001A	SPACER
189	LY30018-005A	SPECIAL SCREW,X2
190	LY43083-001A	BRACKET(PRE-REC)
191	QYSPSPT1414M	SCREW
192	LY43612-001B	SHUTTER B.SHEET
193	LY32001-002A	LABEL(HOUSING)
194	LY40699-002A	LABEL(PUSH)
204	LY43857-001A	SHIELD(SHOE2)
205	LY20908-005A	LOWER CASE
206	LY32715-001C	FUNCTION BUTTON
207	LY30018-065A	SPECIAL SCREW,X2
208	LY43430-001A	W/B WINDOW ASSY
209	LY30018-065A	SPECIAL SCREW,X2
211	LY32244-001D	ARM ASSY(1)
212	LY30018-081A	SPECIAL SCREW
213	LY30018-081A	SPECIAL SCREW
214	LY32716-001A	ARM ASSY(2)
215	LY30018-081A	SPECIAL SCREW
216	LY30018-081A	SPECIAL SCREW
217	QYSPSPT1720D	SCREW
218	LY43531-001A	PLATE(HOT SHOE)
219	LY30018-081A	SPECIAL SCREW,X2
220	LY43114-001B	PLATE(C.C.HINGE)
221	LY43113-001A	SHAFT(C.COVER),X2
222	LY30018-081A	SPECIAL SCREW,X4
223	LY43580-001A	SHEET(BLACKOUT1)
224	LY43581-001A	SHEET(BLACKOUT2)
225	LY32709-001C	BRACKET(LOWER-BTM)1
226	LY30018-031A	SPECIAL SCREW,X2
227	LY20843-003C	OPERATION UNIT
228	LY30018-096A	SPECIAL SCREW,X4
229	LY30018-070A	SPECIAL SCREW,X2
230	LY20757-002B	CASSETTE COVER
231	LY30018-043B	SPECIAL SCREW,C.C-ARM1
232	LY30018-043B	SPECIAL SCREW,C.C-ARM2
233	LY43055-001C	SHEET(C.COVER)
234	LY32247-001A	COVER(M.ADJ)
235	LY43149-006A	SAFETY LABEL
236	LY32781-002A	SHOE ASSY
236A	QAL0410-001	SHOE FPC
236B	LY43878-001A	SHIELD(SHOE)
237	LY32615-001A	BRACKET(HOT SHOE)
238	LY30018-081A	SPECIAL SCREW,X3
239	LY30018-081A	SPECIAL SCREW,X2
240	LY33082-001A	MICROPHONE ASSY
241	LY43056-001B	KNOB(FUNC.)
242	LY30018-081A	SPECIAL SCREW,X2
243	LY30018-0C3A	SPECIAL SCREW,X2
244	LY32627-001B	HOOD
245	LY30018-080A	SPECIAL SCREW
246	LY32632-001A	OP BRACKET
247	LY30018-019A	SPECIAL SCREW
248	LY30018-081A	SPECIAL SCREW
249	LY30018-0C3A	SPECIAL SCREW
250	LY30018-053A	SPECIAL SCREW
251	LY30018-070A	SPECIAL SCREW,LO-SHUTTER
252	LY30018-0D8A	SPECIAL SCREW
256	LY43858-001A	SHEET(WIRE)
257	LY43765-001A	SHIELD(MIC)
258	LY30029-0Y7A	SPACER(A)
259	LY44170-001A	SHIELD(CCD2)
261	LY43907-001A	SHEET(MONI FPC2)
262	LY43963-001A	CUSHION(MIC.)
263	LY30030-029A	SPACER(A)(MONI.FPC)
264	LY44284-001A	SHEET(VF)
265	LY44171-001A	SHEET(CCD)
270	LY44195-002A	TAG
271	LY32884-002A	DUMMY BATTERY
273	LY30030-067A	SPACER(A)

- OPTICAL BLOCK SECTION -

255	J7C-116B	OPTICAL BLOCK ASSY
255A	LY32691-002B	ZOOM MOTOR
255B	LY32692-001D	FOCUS MOTOR
255C	LY30727-002A	SCREW,X5
255D	LY30727-001A	SCREW,X2
255E	LY43270-001A	OPTICAL LPF
255F	LY43494-001A	SHEET
255G	LY30727-006B	SCREW,X2
255H	LY33365-001A	IRIS MOTOR UNIT
255J	LYH30375-006A	CCD BASE ASSY

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MECHANISM PARTS LIST <M3>

400	YMA0029M	MECHA(A)ASSY
401	LY31543-002J	CASSETTE HOUSING ASSY
402	YQ43893-8	MINI SCREW,X3
403	LY31542-001K	UPPER BASE ASSY
404	QYSPSPU1425M	SCREW
405	YDV2096B	DRUM ASSY
406	LY42820-001A	DAMPER SCREW ASSY,X2
407	LY42820-002A	DAMPER SCREW ASSY
408	LY31538-001F	REEL DISK ASSY
409	LY31538-002H	REEL DISK ASSY
410	YQ44246	SLIT WASHER,X2
411	LY10217-001H	REEL COVER ASSY
412	LY42120-002A	MINI SCREW
413	LY41945-003A	MINI SCREW,X2
414	YQ44246	SLIT WASHER,X2
415	LY42025-001C	TENSION ARM ASSY
416	LY31535-001F	SLANT POLE ARM ASSY
417	LY42031-001J	TU ARM ASSY
418	LY31531-001D	SWING ARM ASSY
419	YQ43893-9	MINI SCREW
420	LY20530-003J	SLIDE DECK FINAL ASSY
421	YQ43893	MINI SCREW,X2
422	LY43023-001A	MINI SCREW
424	LY31533-001E	PAD ARM ASSY
425	YQ44246	SLIT WASHER
428	LY42016-001B	TU BRAKE ASSY
429	YQ44246	SLIT WASHER
430	LY41959-001B	TENSION CONTROL LEVER ASSY
431	LY31525-001B	CENTER GEAR
432	LY31516-001F	PINCH ROLLER ARM FINAL ASSY
433	YQ44246	SLIT WASHER
434	LY41956-001C	TENSION CONTROL PLATE ASSY
435	LY41962-001C	BRAKE CONTROL LEVER ASSY
436	LY20525-002C	MOTOR BRACKET ASSY
436A	QAR0138-001	LOADING MOTOR
436B	LY41940-001A	TAPPING SCREW,X2
437	YQ43893	MINI SCREW,X3
438	LY20528-001V	GUIDE RAIL ASSY

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION
439	YQ43893	MINI SCREW
440	YQ44246	SLIT WASHER,X2
441	LY31498-001D	SLIDE LEVER2 ASSY
442	LY41965-001A	LOADING PLATE ASSY
443	YQ44246	SLIT WASHER
444	LY31522-001B	EJECT LEVER
445	YQ44246	SLIT WASHER
446	LY41929-001G	BASE R ASSY
447	YQ43893	MINI SCREW
448	LY41945-001B	MINI SCREW
449	LY41930-001A	MODE GEAR
450	QSW0876-003	ROTARY ENCODER
451	YQ43893	MINI SCREW,X2
452	LY31524-001B	GEAR COVER ASSY
453	YQ43893	MINI SCREW,X2
454	YQ43893-4	MINI SCREW
455	LY41948-001C	MAIN CAM ASSY
456	LY41941-001B	SLIDE ARM ASSY
457	LY41951-001B	CONNECT GEAR 2
458	LY41954-001C	SUB CAM ASSY
459	LY42120-001A	MINI SCREW
460	LY41952-001A	CONTROL ARM ASSY
461	LY31523-001B	REEL GEAR 1
462	LY31508-002B	DRUM BASE ASSY
463	QYSPSPU1425M	SCREW,X3
464	QAR0142-001	CAPSTAN MOTOR
465	YQ43893	MINI SCREW
466	LY10210-001G	MAIN DECK ASSY
476	YQ44246	SLIT WASHER

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ELECTRONIC VIEWFINDER PARTS LIST <M4>

300	LYH20538-001C	VF ASSY
301	LY32640-002C	SLIDE GUIDE INNER ASSY
302	LY43451-001A	LENS ASSY
303	LY32643-002C	VF CASE ASSY
304	LY43454-001A	BACKLIGHT CASE
305	LY43328-001A	SHEET(PRISM)
306	LY43327-001A	SHEET(DIFFUSE)
307	QLD0117-002	LCD MODULE
308	LY32646-001B	LCD HOLDER
309	LY43457-001A	CAP(VF C.HOLE)
310	LY30019-046A	SPECIAL SCREW,X2
311	LY32647-001A	EYE CUP
312	LY32648-001A	EYE PIECE
313	LY32649-001D	VF FRAME
314	LY32650-002B	S.GUIDE(OUTER)
315	LY43452-001A	V.ADJ.LINK
316	LY43458-001A	V.ADJ.LEVER
317	LY43459-001A	WAVE WASHER
318	LY30018-055A	SPECIAL SCREW,X3
319	LY30018-005A	SPECIAL SCREW,X3
320	LY30018-0D4A	SPECIAL SCREW
321	LY30018-0D4A	SPECIAL SCREW
322	QAL0411-001	FPC
323	LY43775-001A	SPACER(VF LCD)
324	LY43919-001A	SHEET(VF)

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION

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MONITOR PARTS LIST <M5>

500	LYH20540-002A	MONITOR ASSY
501	LY32633-001C	MONITOR CASE ASSY
501A	LY40162-001A	BRACKET
501B	LY43436-001A	EARTH SHEET(M.CASE1)
501C	LY43437-001A	EARTH SHEET(M.CASE2)
502	LY10402-002A	MONITOR COVER
502A	LY43933-003A	MARK
503	LY43078-001B	RIB(MONI.),X2
504	LY43438-001A	I.SHEET(M.COVER)
505	LY32230-002C	HINGE ASSY
506	LY32267-002A	HINGE COVER(U)
507	LY32268-002D	HINGE COVER(L)
508	LY42355-001A	MAGNET
509	LY30018-0D9A	SPECIAL SCREW,X2 M.CO-HINGE
510	LY30018-043B	SPECIAL SCREW,M.CO-BKT
511	LY30018-0B7A	SPECIAL SCREW,X2 H.CO-HINGE
513	LY30029-0N7A	SPACER(A)
514	QLD0235-001	LCD MODULE
515	QLL0120-001	BACK LIGHT
516	LY32766-001A	FPC ASSY(MONI)
517	LY30029-0X8A	SPACER(A)
518	LY30030-004B	SPACER(A)
520	LY44196-001A	STICKER(MONI)

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
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MAIN BOARD ASSEMBLY <01>

	PW	YB10399C-06	MAIN BOARD ASSY
	IC1001	UPD703038F1-A09	IC(MICRO C ROM),MASK
	IC1001	or UPD70F3038F1A09	IC(MICRO C ROM),FLASH
	IC1002	RS5C314	IC
	IC1003	25LC320X-I/ST-X	IC
	IC1006	MB90097PFV149-X	IC(MICRO C ROM)
	IC1007	SN74AHC1G08K	IC
	IC1008	IC-PST3423U-X	IC
	IC1101	NJM2143R-X	IC
	IC1401	UPD703040YF-M18	IC(MICRO C ROM),DECK MASK
	IC1401	or UPD70F3040YFM18	IC(MICRO C ROM),DECK FLASH
	IC1601	BD6631KV	IC
	IC1701	NJM2143R-X	IC
	IC1702	NJM2407R	IC
	IC1801	RPM7138	IR DETECT UNIT
	IC2101	AK4550VT	IC
	IC2201	AK4564VQ	IC
	IC3001	JCY0172	IC
	IC3004	SN74AHC1G04K	IC
	IC3004	or MC74VHC1G04DF	IC
	IC3005	JCY0136	IC
	IC3501	JCY0132	IC
	IC3701	BA7665FS	IC
	IC3731	MM1504XN-X	IC
	IC3801	JCP8045	IC(DIGITAL)
	IC3901	BU2501FV	IC
	IC4201	HD49334AHNP	IC
	IC4202	MM1613BN-X	IC
	IC4301	JCY0160-2	IC
	IC4302	R1160N151B	IC
	IC4303	MM1612FN-X	IC
	IC5001	CXD3602AR	IC
	IC5002	W194-70G-X	IC
	IC5003	MM1613DN-X	IC
	IC6001	S-80842CNNB-W	IC
	IC6002	S-817A33ANB-W	IC
	IC6003	S-814A30AMC-W	IC
	IC6101	BD9713KV	IC
	IC7101	CXA3272R	IC
	IC7201	CXA3582R	IC
	IC7202	MM1385HN	IC
	IC8001	TMS320DSC24GZA	IC
	IC8001	or TMX320DSC24GZA	IC
	IC8002	K4S643233F-SE75	IC(MICRO C ROM),64M SDRAM
	IC8003	MBV160TE90PBA16	IC(MICRO C ROM),16M FLASH
	IC8005	BU2288FV	IC
	IC8301	ISP1181ABS	IC
	IC8302	S-80842CNNB-W	IC
	IC8501	YQ44917A	CSP IC ASSY
	Q1001	DTC124EE	DIGI TRANSISTOR
	Q1001	or UN9212J	DIGI TRANSISTOR
	Q1002	2SC4617/QR/-X	TRANSISTOR
	Q1003	DTC143EE	DIGI TRANSISTOR
	Q1003	or RN1101	DIGI TRANSISTOR
	Q1003	or UN921LJ	DIGI TRANSISTOR
	Q1004	DTC143XE	DIGI TRANSISTOR
	Q1006	DTA114EE	DIGI TRANSISTOR
	Q1006	or PDTA114EE	DIGI TRANSISTOR
	Q1006	or RN2102	DIGI TRANSISTOR

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION
	Q1006	or UN9111J	DIGI TRANSISTOR
	Q1007	DTC144EE	DIGI TRANSISTOR
	Q1007	or PDTC144EE	DIGI TRANSISTOR
	Q1007	or RN1104	DIGI TRANSISTOR
	Q1007	or UN9213J	DIGI TRANSISTOR
	Q1401	DTA114EE	DIGI TRANSISTOR
	Q1401	or PDTA114EE	DIGI TRANSISTOR
	Q1401	or RN2102	DIGI TRANSISTOR
	Q1401	or UN9111J	DIGI TRANSISTOR
	Q1402	UMC3N	DIGI TRANSISTOR
	Q1403	UMC3N	DIGI TRANSISTOR
	Q1601	UMC3N	DIGI TRANSISTOR
	Q2101	UMX18N	PAIR TRANSISTOR
	Q2201	2SC4617/QR/-X	TRANSISTOR
	Q2401	2SC4617/QR/-X	TRANSISTOR
	Q2403	2SC4617/QR/-X	TRANSISTOR
	Q2701	HN1C01FE/G/-X	PAIR TRANSISTOR
	Q2702	HN1C01FE/G/-X	PAIR TRANSISTOR
	Q3001	2SC4617/RS/-X	TRANSISTOR
	Q3002	2SC4617/RS/-X	TRANSISTOR
	Q3701	UMT1N	PAIR TRANSISTOR
	Q3702	UMZ1N	PAIR TRANSISTOR
	Q3704	2SA1774/RS/-X	TRANSISTOR
	Q3705	UMT1N	PAIR TRANSISTOR
	Q3731	2SC4617/RS/-X	TRANSISTOR
	Q3732	DTC144EE-X	DIGI TRANSISTOR
	Q3732	or RN1104	DIGI TRANSISTOR
	Q3732	or UN9213J	DIGI TRANSISTOR
	Q3733	UMZ1N-X	PAIR TRANSISTOR
	Q3733	or XP4601	TRANSISTOR
	Q3734	2SC4617/RS/-X	TRANSISTOR
	Q3735	UMZ1N-X	PAIR TRANSISTOR
	Q3735	or XP4601	TRANSISTOR
	Q6001	MCH3308	MOS FET
	Q6002	2SK3019	MOS FET
	Q6002	or 2SK1830	MOS FET
	Q6003	MCH6613	MOS FET
	Q6004	DTC144EE	DIGI TRANSISTOR
	Q6004	or PDTC144EE	DIGI TRANSISTOR
	Q6004	or RN1104	DIGI TRANSISTOR
	Q6004	or UN9213J	DIGI TRANSISTOR
	Q6101	SSM5G01TU	MOS FET
	Q6102	SSM5G01TU	MOS FET
	Q6103	SSM5G01TU	MOS FET
	Q6104	SSM5G01TU	MOS FET
	Q6105	SSM5G01TU	MOS FET
	Q6106	NDS352AP	MOS FET
	Q6107	2SC4617/RS/-X	TRANSISTOR
	Q6108	UMZ1N	PAIR TRANSISTOR
	Q6109	HN1C01FU/G/-X	PAIR TRANSISTOR
	Q6109	or PUMX1	PAIR TRANSISTOR
	Q6109	or UMX1N	PAIR TRANSISTOR
	Q6110	2SA1577/RS/-X	TRANSISTOR
	Q7101	2SA1577/QR/-X	TRANSISTOR
	Q7102	DTC144EE	DIGI TRANSISTOR
	Q7102	or PDTC144EE	DIGI TRANSISTOR
	Q7102	or RN1104	DIGI TRANSISTOR
	Q7102	or UN9213J	DIGI TRANSISTOR
	Q7203	DTC144EE	DIGI TRANSISTOR
	Q7203	or PDTC144EE	DIGI TRANSISTOR
	Q7203	or RN1104	DIGI TRANSISTOR
	Q7203	or UN9213J	DIGI TRANSISTOR
	Q7204	2SA1577/QR/-X	TRANSISTOR

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	Q8001	2SA1774/RS/-X	TRANSISTOR	
	D1001	DA221	DIODE	
	D1001	or MA133-X	DIODE	
	D1002	1SS376	DIODE	
	D1002	or RSD376-X	DIODE	
	D1602	DAP222	DIODE	
	D1603	DAP222	DIODE	
	D1604	DAP222	DIODE	
	D2702	EMZ6.8N	ZENER DIODE	
	D3001	EC2C01C	VARI CAP DIODE	
	D3002	EC2C01C	VARI CAP DIODE	
	D3003	EC2C01C	VARI CAP DIODE	
	D3004	MA2Z720	SB DIODE	
	D3701	UMZ6.8EN	ZENER DIODE	
	D5001	1SS355	DIODE	
⚠	D6001	RB706D-40-X	SB DIODE	
⚠	D6002	RB715F	SB DIODE	
	D6101	RB480Y	SB DIODE	
	D6102	RB480Y	SB DIODE	
	D6103	MA8043/L/-X	ZENER DIODE	
	D6104	RB521S-30-X	SB DIODE	
	D8301	1SS355	DIODE	
	R1001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1002	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
	R1003	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1005	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
	R1006	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1007	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
	R1010	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
	R1015	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
	R1017	NRSA6AJ-391W	MG RESISTOR	390Ω,1/16W
	R1018	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1020	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R1021	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R1022	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R1025	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1026	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1029	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1030	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1033	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1034	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
	R1035	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1036	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1037	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1039	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1040	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
	R1041	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
	R1042	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
	R1043	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W
	R1044	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W
	R1045	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
	R1046	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1047	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1048	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1049	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
	R1050	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
	R1051	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
	R1052	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
	R1053	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
	R1054	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1056	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R1058	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1060	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1061	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1066	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1072	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1076	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1077	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1084	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1086	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1087	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1101	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
	R1102	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1104	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R1106	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R1107	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1108	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1109	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1401	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R1402	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1403	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1404	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1405	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1406	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1407	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1408	NRSA6AD-753W	MG RESISTOR	75kΩ,1/16W
	R1409	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W
	R1411	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1412	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1413	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1414	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R1415	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1416	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1417	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R1425	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R1601	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
	R1602	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
	R1603	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1604	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1605	NRV142F-R22X	CMF RESISTOR	0.22Ω,1/4W
	R1609	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W
	R1610	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
	R1611	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
	R1612	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R1613	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R1616	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
	R1619	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
	R1620	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1621	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1622	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1624	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W
	R1628	NRVA6AD-361W	CMF RESISTOR	360Ω,1/16W
	R1629	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
	R1630	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1631	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R1635	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R1636	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R1637	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
	R1701	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
	R1702	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1703	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1704	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1705	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R1706	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R1707	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1708	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
R1709	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R1710	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W
R1711	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1712	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R1801	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W
R2101	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R2102	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R2105	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2106	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2107	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2108	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2109	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2110	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2111	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2112	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2201	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R2202	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2203	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W
R2204	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W
R2205	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R2206	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R2207	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
R2208	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R2209	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R2210	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2211	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2212	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W
R2213	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W
R2214	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2215	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2216	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R2217	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2218	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2219	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2220	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2221	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2222	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2223	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2224	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2225	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2226	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2227	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2228	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2401	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2402	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R2403	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
R2406	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2407	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R2601	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2602	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2603	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2604	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2605	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2606	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2607	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2608	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R2609	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R2610	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
R2611	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2612	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2615	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R2617	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R2701	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2702	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
R2703	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2704	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
R2705	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2706	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R2707	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W
R2708	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2709	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R2710	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
R2711	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2712	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R2909	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3006	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3007	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W
R3008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3010	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3011	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3012	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3013	NRSA6AJ-242W	MG RESISTOR	2.4kΩ,1/16W
R3014	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R3015	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W
R3016	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3017	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3018	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3019	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W
R3020	NRSA6AD-512W	MG RESISTOR	5.1kΩ,1/16W
R3021	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3022	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R3023	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3024	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3028	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R3030	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3031	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
R3032	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R3033	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R3038	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3039	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
R3043	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W
R3044	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R3045	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3046	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
R3050	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3051	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R3052	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3053	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3054	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3056	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3058	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R3059	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R3501	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
R3502	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R3503	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R3504	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3505	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3506	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W
R3507	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	R3508	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W
	R3521	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R3522	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R3523	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R3525	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R3701	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W
	R3702	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W
	R3703	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R3704	NRSA6AJ-301W	MG RESISTOR	300Ω,1/16W
	R3705	NRSA6AJ-301W	MG RESISTOR	300Ω,1/16W
	R3706	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W
	R3707	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
	R3708	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
	R3709	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W
	R3710	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R3711	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R3712	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R3713	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R3714	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W
	R3715	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R3721	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R3722	NRSA6AD-151W	MG RESISTOR	150Ω,1/16W
	R3724	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R3725	NRSA6AD-151W	MG RESISTOR	150Ω,1/16W
	R3726	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R3727	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R3728	NRSA6AD-151W	MG RESISTOR	150Ω,1/16W
	R3730	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R3731	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R3732	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R3733	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
	R3734	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
	R3735	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W
	R3736	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
	R3737	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
	R3738	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W
	R3739	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
	R3740	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
	R3741	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R3742	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R3743	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R3744	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
	R3745	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W
	R3746	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R3747	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R3748	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W
	R3801	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R3802	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
	R3803	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
	R3804	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
	R3805	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W
	R3807	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R4201	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R4202	NRSA6AJ-510W	MG RESISTOR	51Ω,1/16W
	R4203	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
	R4204	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R4205	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R4301	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R4303	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R4304	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R4305	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R4306	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
	R4307	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
	R4308	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R4309	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R4310	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R4311	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R4312	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R4313	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R4316	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R4318	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R4320	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R4321	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R4322	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R4323	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R4325	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
	R5001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R5002	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
	R5003	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
	R5004	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
	R5005	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
	R5006	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
	R5009	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
	R5010	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
	R5017	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R5020	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
	R6001	NRSA6AD-183W	MG RESISTOR	18kΩ,1/16W
	R6002	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6003	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6004	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R6005	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6006	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W
	R6007	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R6008	NRSA6AD-823W	MG RESISTOR	82kΩ,1/16W
	R6009	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W
⚠	R6010	NRSA63J-471X	MG RESISTOR	470Ω,1/16W
⚠	R6011	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
	R6101	NRSA6AD-302W	MG RESISTOR	3kΩ,1/16W
	R6102	NRSA6AD-243W	MG RESISTOR	24kΩ,1/16W
	R6103	NRSA6AD-163W	MG RESISTOR	16kΩ,1/16W
	R6104	NRSA6AD-153W	MG RESISTOR	15kΩ,1/16W
	R6105	NRSA6AD-103W	MG RESISTOR	10kΩ,1/16W
	R6106	NRSA6AD-623W	MG RESISTOR	62kΩ,1/16W
	R6107	NRSA6AD-223W	MG RESISTOR	22kΩ,1/16W
	R6108	NRSA6AD-123W	MG RESISTOR	12kΩ,1/16W
	R6109	NRSA6AD-562W	MG RESISTOR	5.6kΩ,1/16W
	R6110	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W
	R6111	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R6112	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W
	R6114	NRSA6AD-752W	MG RESISTOR	7.5kΩ,1/16W
	R6115	NRSA6AD-683W	MG RESISTOR	68kΩ,1/16W
	R6116	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W
	R6117	NRSA6AD-433W	MG RESISTOR	43kΩ,1/16W
	R6118	NRSA6AD-433W	MG RESISTOR	43kΩ,1/16W
	R6120	NRSA6AD-183W	MG RESISTOR	18kΩ,1/16W
	R6121	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
	R6122	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
	R6123	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W
	R6124	NRSA6AD-223W	MG RESISTOR	22kΩ,1/16W
	R6125	NRSA6AD-123W	MG RESISTOR	12kΩ,1/16W
	R6126	NRSA6AD-104W	MG RESISTOR	100kΩ,1/16W
	R6127	NRSA6AD-103W	MG RESISTOR	10kΩ,1/16W
	R6128	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
	R6129	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
	R6130	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
	R6131	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R6132	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W
R6133	NRSA6AJ-151W	MG RESISTOR	150Ω,1/16W
R6134	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R6135	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
R6136	NRSA6AD-363W	MG RESISTOR	36kΩ,1/16W
R6137	NRSA6AD-393W	MG RESISTOR	39kΩ,1/16W
R6138	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R6139	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
R6140	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W
R6141	NRSA6AD-823W	MG RESISTOR	82kΩ,1/16W
R6142	NRSA6AD-513W	MG RESISTOR	51kΩ,1/16W
R6143	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W
R7101	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7102	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7103	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7104	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7105	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7106	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7107	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7108	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7109	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7112	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7113	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7114	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7116	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7117	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R7118	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
R7119	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R7120	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7121	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7122	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7123	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7124	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7201	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7202	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7203	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7204	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7213	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7214	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W
R7215	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7216	NRSA6AD-433W	MG RESISTOR	43kΩ,1/16W
R7217	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7218	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7219	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7220	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7221	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R7222	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R7224	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R7225	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R7226	NRSA6AJ-122W	MG RESISTOR	1.2kΩ,1/16W
R7227	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7228	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R7229	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R7230	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
R8001	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8002	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8003	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8004	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8005	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8006	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8007	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R8009	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
R8011	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R8012	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8013	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
R8014	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
R8016	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8017	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8022	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R8037	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8038	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8043	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8046	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8049	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8051	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
R8052	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8055	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8057	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W
R8302	NRS181J-220X	MG RESISTOR	22Ω,1/8W
R8303	NRS181J-220X	MG RESISTOR	22Ω,1/8W
R8305	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R8306	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8307	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8308	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8309	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8310	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
R8311	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
R8313	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8502	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8503	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W
R8504	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
R8505	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
RA1008	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1009	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1010	NRZ0034-104W	NETWORK RESISTOR	100kΩ
RA1401	NRZ0034-473W	NETWORK RESISTOR	47kΩ
RA3001	NRZ0064-100W	NETWORK RESISTOR	10Ω
RA3002	NRZ0064-100W	NETWORK RESISTOR	10Ω
RA4201	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA4202	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA4301	NRZ0034-181W	NETWORK RESISTOR	180Ω
RA4302	NRZ0034-181W	NETWORK RESISTOR	180Ω
RA4303	NRZ0034-181W	NETWORK RESISTOR	180Ω
RA4304	NRZ0034-181W	NETWORK RESISTOR	180Ω
RA4305	NRZ0034-100W	NETWORK RESISTOR	10Ω
RA4306	NRZ0034-100W	NETWORK RESISTOR	10Ω
RA4307	NRZ0034-100W	NETWORK RESISTOR	10Ω
RA4308	NRZ0034-100W	NETWORK RESISTOR	10Ω
RA8001	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA8002	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA8003	NRZ0034-101W	NETWORK RESISTOR	100Ω
RA8004	NRZ0034-101W	NETWORK RESISTOR	100Ω
C1003	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C1004	NCB31CK-104X	CAPACITOR	0.1μF,16V
C1006	NDCA1HJ-270W	CAPACITOR	27pF,50V
C1007	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1011	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1012	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1013	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1015	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1016	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1017	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1018	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1019	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C1023	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C1026	NCBA1AK-104W	CAPACITOR	0.1μF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C1027	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1028	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1029	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1030	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1031	NCF31AZ-105X	CAPACITOR	1µF,10V
C1034	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1036	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1037	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1038	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1039	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1101	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1102	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1103	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1111	NCB30JK-105X	CAPACITOR	1µF,6.3V
C1112	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C1113	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C1401	NDCA1HJ-100W	CAPACITOR	10pF,50V
C1402	NDCA1HJ-100W	CAPACITOR	10pF,50V
C1403	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1404	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1405	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1406	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1407	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1409	NCBA1EK-682W	CAPACITOR	0.0068µF,25V
C1410	NCBA1EK-682W	CAPACITOR	0.0068µF,25V
C1411	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1412	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1413	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1414	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1415	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1416	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1601	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1602	NBLJ0JM-106X	T CAPACITOR	10µF,6.3V
C1603	NBLJ0JM-106X	T CAPACITOR	10µF,6.3V
C1605	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1606	NCBA1HK-152W	CAPACITOR	0.0015µF,50V
C1607	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C1614	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C1618	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C1619	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C1620	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C1621	NCB30JK-105X	CAPACITOR	1µF,6.3V
C1622	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C1623	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C1624	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C1625	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C1626	NCBA1HK-331W	CAPACITOR	330pF,50V
C1627	NCBA1CK-822W	CAPACITOR	0.0082µF,16V
C1628	NCB21CK-224X	CAPACITOR	0.22µF,16V
C1632	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C1633	NCB21CK-474X	CAPACITOR	0.47µF,16V
C1641	NCB21CK-474X	CAPACITOR	0.47µF,16V
C1701	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1702	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C1801	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2101	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2102	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2103	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2104	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2105	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C2106	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C2107	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2108	NCBA1AK-104W	CAPACITOR	0.1µF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C2109	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2110	NBE90JM-475X	T CAPACITOR	4.7µF,6.3V
C2201	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2202	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2203	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2204	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2205	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2206	NBE20GM-476X	T CAPACITOR	47µF,4.0V
C2207	NBE20GM-476X	T CAPACITOR	47µF,4.0V
C2208	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2209	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2210	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2211	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2212	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2213	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2214	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2215	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2216	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2217	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2218	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2223	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2224	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2225	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2401	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2402	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2403	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2404	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2405	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2406	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2603	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C2604	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C2605	NCBA1EK-472W	CAPACITOR	0.0047µF,25V
C2606	NCBA1EK-472W	CAPACITOR	0.0047µF,25V
C2607	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C2608	NCBA1AK-473W	CAPACITOR	0.047µF,10V
C2609	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C2610	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C2611	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2612	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2613	NCB30JK-105X	CAPACITOR	1µF,6.3V
C2614	NDCA1HJ-101W	CAPACITOR	100pF,50V
C2615	NDCA1HJ-101W	CAPACITOR	100pF,50V
C2616	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C2617	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C2620	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2701	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C2907	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3001	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3002	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3003	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3005	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3006	NCB30JK-105X	CAPACITOR	1µF,6.3V
C3007	NCB10JK-106X	CAPACITOR	10µF,6.3V
C3008	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C3010	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3011	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3012	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3013	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3015	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C3016	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3017	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C3018	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
C3020	NCBA1AK-104W	CAPACITOR	0.1µF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C3021	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3022	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3023	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3024	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3025	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3026	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3027	NCBA1EK-472W	CAPACITOR	0.0047μF,25V
C3028	NDCA1EJ-271W	CAPACITOR	270pF,25V
C3029	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3030	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3031	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3032	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3033	NDCA1HJ-220W	CAPACITOR	22pF,50V
C3036	NDCA1HJ-8R0W	CAPACITOR	8pF,50V
C3037	NDCA1HJ-8R0W	CAPACITOR	8pF,50V
C3038	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3039	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3042	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3043	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3044	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3045	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3046	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3047	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3048	NCB31CK-473X	CAPACITOR	0.047μF,16V
C3049	NCBA1HK-222W	CAPACITOR	0.0022μF,50V
C3050	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3051	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3053	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3055	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3059	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3060	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3501	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C3502	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C3503	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C3504	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3505	NCBA1CK-223W	CAPACITOR	0.022μF,16V
C3506	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3507	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3508	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3509	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3510	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3511	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3512	NCB31CK-104X	CAPACITOR	0.1μF,16V
C3513	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3514	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3515	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3516	NCBA1AK-473W	CAPACITOR	0.047μF,10V
C3517	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3518	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3519	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3520	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3521	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3522	NCB20JM-475X	CAPACITOR	4.7μF,6.3V
C3523	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3524	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3525	NCB20JM-475X	CAPACITOR	4.7μF,6.3V
C3526	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3527	NDCA1EJ-221W	CAPACITOR	220pF,25V
C3701	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C3702	NDCA1HJ-560W	CAPACITOR	56pF,50V
C3703	NDCA1HJ-270W	CAPACITOR	27pF,50V
C3704	NDCA1HJ-680W	CAPACITOR	68pF,50V
C3705	NDCA1HJ-270W	CAPACITOR	27pF,50V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C3706	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3707	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3708	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3709	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3710	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C3711	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C3712	NBE20GM-107X	T CAPACITOR	100μF,4.0V
C3713	NBE20GM-107X	T CAPACITOR	100μF,4.0V
C3715	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3731	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3732	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3733	NDCA1HJ-3R0W	CAPACITOR	3pF,50V
C3734	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
C3735	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3736	NCBA1HK-102W	CAPACITOR	0.001μF,50V
C3738	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3739	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3740	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3741	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3742	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3743	NDCA1HJ-3R0W	CAPACITOR	3pF,50V
C3744	NDCA1HJ-5R0W	CAPACITOR	5pF,50V
C3745	NDCA1HJ-330W	CAPACITOR	33pF,50V
C3746	NCB20JM-475X	CAPACITOR	4.7μF,6.3V
C3747	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3801	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3802	NCB30JK-105X	CAPACITOR	1μF,6.3V
C3803	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C3804	NBE20GM-476X	T CAPACITOR	47μF,4.0V
C3805	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3806	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3807	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3808	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3809	NCB31CK-104X	CAPACITOR	0.1μF,16V
C3810	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3811	NCB31CK-104X	CAPACITOR	0.1μF,16V
C3812	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3813	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3814	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3815	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3816	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3817	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3818	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C3819	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C3901	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C3902	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C4201	NCB30JK-105X	CAPACITOR	1μF,6.3V
C4202	NCB21CK-105X	CAPACITOR	1μF,16V
C4203	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C4204	NBE20GM-107X	T CAPACITOR	100μF,4.0V
C4205	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4206	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4207	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4209	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4210	NCB30JK-105X	CAPACITOR	1μF,6.3V
C4211	NCB21CK-105X	CAPACITOR	1μF,16V
C4212	NCBA1CK-123W	CAPACITOR	0.012μF,16V
C4213	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4214	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4215	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4219	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C4220	NCB30JK-105X	CAPACITOR	1μF,6.3V
C4221	NCB30JK-105X	CAPACITOR	1μF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C4222	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4223	NDC31HJ-100X	CAPACITOR	10pF,50V
C4301	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4302	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4303	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4304	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4305	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4306	NCB21CK-105X	CAPACITOR	1µF,16V
C4307	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4308	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4309	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4310	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4311	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4312	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4313	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4316	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4317	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C4318	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5001	NCB30JK-105X	CAPACITOR	1µF,6.3V
C5002	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C5003	NBE20JM-226X	T CAPACITOR	22µF,6.3V
C5004	NCB30JK-105X	CAPACITOR	1µF,6.3V
C5005	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5006	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5008	NBE20GM-476X	T CAPACITOR	47µF,4.0V
C5009	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C5010	NBZ0003-475X	TA E CAPACITOR	4.7µF,20V
C5011	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5012	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5013	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5014	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5015	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5017	NBE41AM-476X	T CAPACITOR	47µF,10V
C5018	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5019	NCF31EK-104X	CAPACITOR	0.1µF,25V
C5021	NBZ0003-475X	TA E CAPACITOR	4.7µF,20V
C5022	NCF31EK-104X	CAPACITOR	0.1µF,25V
C5023	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5024	NCF31EK-104X	CAPACITOR	0.1µF,25V
C5025	NBP21VM-105X	T CAPACITOR	1µF,35V
C5026	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5027	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C5028	NCB21CK-105X	CAPACITOR	1µF,16V
C5029	NCB31EK-104X	CAPACITOR	0.1µF,25V
C6001	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6002	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6003	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6004	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C6005	NBP21CM-685X	T CAPACITOR	6.8µF,16V
C6006	NCF31AZ-105X	CAPACITOR	1µF,10V
C6007	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C6008	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6101	NCB21CK-105X	CAPACITOR	1µF,16V
C6102	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6103	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6104	NCBA1HK-561W	CAPACITOR	560pF,50V
C6105	NCBA1HK-561W	CAPACITOR	560pF,50V
C6106	NBP21CM-685X	T CAPACITOR	6.8µF,16V
C6107	NCB21CK-105X	CAPACITOR	1µF,16V
C6108	NDCA1HJ-101W	CAPACITOR	100pF,50V
C6109	NDCA1HJ-150W	CAPACITOR	15pF,50V
C6110	NCBA1HK-272W	CAPACITOR	0.0027µF,50V
C6111	NCB30JK-105X	CAPACITOR	1µF,6.3V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C6112	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6113	NCBA1EK-472W	CAPACITOR	0.0047µF,25V
C6114	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6115	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6116	NCBA1HK-102W	CAPACITOR	0.001µF,50V
C6117	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6118	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C6119	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C6120	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C6121	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C6122	NCB31AK-224X	CAPACITOR	0.22µF,10V
C6123	NCB31CK-683X	CAPACITOR	0.068µF,16V
C6124	NCB21CK-105X	CAPACITOR	1µF,16V
C6125	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6126	NCB21CK-105X	CAPACITOR	1µF,16V
C6127	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6128	NCB21CK-105X	CAPACITOR	1µF,16V
C6129	NCB30JK-105X	CAPACITOR	1µF,6.3V
C6130	NCB21CK-105X	CAPACITOR	1µF,16V
C6131	NCB30JK-105X	CAPACITOR	1µF,6.3V
C6132	NCB21CK-105X	CAPACITOR	1µF,16V
C6133	NCB10JK-106X	CAPACITOR	10µF,6.3V
C6134	NCB30JK-105X	CAPACITOR	1µF,6.3V
C6135	NCB21CK-105X	CAPACITOR	1µF,16V
C6136	NCB21CK-105X	CAPACITOR	1µF,16V
C6137	NCB21CK-105X	CAPACITOR	1µF,16V
C6138	NCB11CK-475X	CAPACITOR	4.7µF,16V
C6139	NCB11EK-105X	CAPACITOR	1µF,25V
C6140	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C6141	NCB21CK-105X	CAPACITOR	1µF,16V
C6142	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C6143	NCB21CK-105X	CAPACITOR	1µF,16V
C7101	NBE91AM-335X	T CAPACITOR	3.3µF,10V
C7102	NCB31EK-682X	CAPACITOR	0.0068µF,25V
C7106	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7107	NBE81AM-106X	T CAPACITOR	10µF,10V
C7108	NCB21AK-105X	CAPACITOR	1µF,10V
C7109	NCB21AK-105X	CAPACITOR	1µF,10V
C7110	NCB21AK-105X	CAPACITOR	1µF,10V
C7111	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C7115	NCB30JK-105X	CAPACITOR	1µF,6.3V
C7116	NCBA1HK-222W	CAPACITOR	0.0022µF,50V
C7117	NCB30JK-105X	CAPACITOR	1µF,6.3V
C7118	NCB30JK-105X	CAPACITOR	1µF,6.3V
C7119	NCB30JK-105X	CAPACITOR	1µF,6.3V
C7120	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7121	NCB31CK-104X	CAPACITOR	0.1µF,16V
C7122	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C7123	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7124	NBE90GM-226X	T CAPACITOR	22µF,4.0V
C7125	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7126	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7127	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7128	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C7201	NBE21AM-106X	T CAPACITOR	10µF,10V
C7202	NCB21CK-105X	CAPACITOR	1µF,16V
C7203	NCB21CK-105X	CAPACITOR	1µF,16V
C7204	NCB21CK-105X	CAPACITOR	1µF,16V
C7205	NBP21DM-475X	T CAPACITOR	4.7µF,20V
C7206	NCB21CK-105X	CAPACITOR	1µF,16V
C7207	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C7209	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C7210	NCBA1AK-104W	CAPACITOR	0.1µF,10V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C7211	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7213	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7214	NBE91AM-335X	T CAPACITOR	3.3μF,10V
C7215	NCBA1EK-682W	CAPACITOR	0.0068μF,25V
C7216	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7217	NCB21CK-105X	CAPACITOR	1μF,16V
C7218	NBP21VM-155X	T CAPACITOR	1.5μF,35V
C7219	NCB21EK-104X	CAPACITOR	0.1μF,25V
C7220	NBP21DM-475X	T CAPACITOR	4.7μF,20V
C7221	NCB31CK-104X	CAPACITOR	0.1μF,16V
C7222	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C7223	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7224	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7225	NBE90GM-226X	T CAPACITOR	22μF,4.0V
C7226	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C7227	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C7228	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C7229	NBP21DM-475X	T CAPACITOR	4.7μF,20V
C7230	NBP21VM-155X	T CAPACITOR	1.5μF,35V
C7231	NBE90JM-106X	T CAPACITOR	10μF,6.3V
C8001	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C8002	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C8003	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C8004	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8005	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8006	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C8007	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8008	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8009	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8010	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8011	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8014	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8015	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8016	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8017	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8018	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8019	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8020	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C8021	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8022	NCB30JK-105X	CAPACITOR	1μF,6.3V
C8023	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C8024	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C8025	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C8026	NCBA1CK-103W	CAPACITOR	0.01μF,16V
C8301	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C8305	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8306	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8307	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8310	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8311	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8501	NBZ0015-106X	T CAPACITOR	10μF,6.3V
C8502	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8503	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8504	NCBA1AK-104W	CAPACITOR	0.1μF,10V
C8505	NCBA1AK-104W	CAPACITOR	0.1μF,10V
L1002	NQR0006-001X	FERRITE BEAD	
L1101	NQL402M-100X	COIL	10μH
L1401	NQR0006-001X	FERRITE BEAD	
L2101	NQL402M-100X	COIL	10μH
L2401	NQL402M-100X	COIL	10μH
L2402	NQL402M-100X	COIL	10μH
L2601	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2602	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
L2603	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2701	NQR0129-002X	FERRITE BEAD	
L3001	NQR0129-002X	FERRITE BEAD	
L3002	NQR0129-002X	FERRITE BEAD	
L3004	NQR0006-001X	FERRITE BEAD	
L3005	NQR0006-001X	FERRITE BEAD	
L3007	NQL085J-2R2X	COIL	2.2μH
L3008	NQL085J-120X	COIL	12μH
L3010	NQR0383-003X	COIL	
L3011	NQR0383-003X	COIL	
L3012	NQR0006-001X	FERRITE BEAD	
L3013	NQR0129-002X	FERRITE BEAD	
L3501	NQR0129-002X	FERRITE BEAD	
L3502	NQL402M-100X	COIL	10μH
L3503	NQR0006-001X	FERRITE BEAD	
L3504	NQR0006-001X	FERRITE BEAD	
L3505	NQR0006-001X	FERRITE BEAD	
L3701	NQL38DK-100X	COIL	10μH
L3731	NQL085J-6R8X	COIL	6.8μH
L3732	NQL085J-6R8X	COIL	6.8μH
L3801	NQR0129-002X	FERRITE BEAD	
L3802	NQR0129-002X	FERRITE BEAD	
L3803	NQR0006-001X	FERRITE BEAD	
L3804	NQL38DK-100X	COIL	10μH
L3901	NQL38DK-100X	COIL	10μH
L4201	NQL38DK-100X	COIL	10μH
L4301	NQR0129-002X	FERRITE BEAD	
L4302	NQR0129-002X	FERRITE BEAD	
L4303	NQR0129-002X	FERRITE BEAD	
L4304	NQR0129-002X	FERRITE BEAD	
L5001	NQR0129-002X	FERRITE BEAD	
L5002	NQL38DK-100X	COIL	10μH
L5003	NQL38DK-100X	COIL	10μH
L5004	NQL38DK-100X	COIL	10μH
L5005	NQR0129-002X	FERRITE BEAD	
L5006	NQL38DK-101X	COIL	100μH
L5007	NQR0129-002X	FERRITE BEAD	
L6001	NQL402M-100X	COIL	10μH
L6101	NQL68EM-100X	COIL	10μH
L6102	NQL68EM-100X	COIL	10μH
L6103	NQLZ010-390X	COIL	39μH
L6104	NQL68EM-330X	COIL	33μH
L6105	NQL68EM-330X	COIL	33μH
L6106	NQL68EM-470X	COIL	47μH
L6107	NQL68EM-330X	COIL	33μH
L6108	NQL144K-220X	COIL	22μH
L6109	NQLZ011-221X	COIL	220μH
L7102	NQL38DK-220X	COIL	22μH
L7103	NQL38DK-220X	COIL	22μH
L7104	NQL38DK-220X	COIL	22μH
L7201	NQL38DK-220X	COIL	22μH
L7202	NQL38DK-220X	COIL	22μH
L7203	NQL38DK-220X	COIL	22μH
L7204	NQL38DK-220X	COIL	22μH
L7205	NQL38DK-100X	COIL	10μH
L8001	NQR0129-002X	FERRITE BEAD	
L8002	NQR0129-002X	FERRITE BEAD	
L8003	NQR0006-001X	FERRITE BEAD	
L8004	NQR0129-002X	FERRITE BEAD	
L8005	NQR0129-002X	FERRITE BEAD	
L8006	NQR0006-001X	FERRITE BEAD	
L8301	NQR0129-002X	FERRITE BEAD	
L8501	NQR0129-002X	FERRITE BEAD	

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	X1001	NAX0474-001X	C OSCILLATOR	
	X1002	NAX0546-001X	CRYSTAL RESONATOR	
	X1401	NAX0175-001X	CRYSTAL RESONATOR	
	X3002	NAX0480-001X	CRYSTAL RESONATOR	
	X4301	NAX0561-001X	CXO,54MHz	
	X8301	NAX0522-001X	RESONATOR	
	S1001	NSW0182-001X	PUSH SWITCH,MONITOR SW	
	TB1	LY32205-001A	BATTERY TERMINAL UNIT	
	J101	QNZ0518-002	D CONNECTOR	
	CN101	QGF0517F1-08X	FPC CONNECTOR,HEAD	
	CN102	QGF0520F1-06X	FFC/FPC CONNECTOR,L MOTOR	
	CN103	QGF0520F1-06X	FFC/FPC CONNECTOR,ROT E SW	
	CN104	QGF0517F2-11X	FPC CONNECTOR,DRUM MOTOR	
	CN105	QGF0517F2-18X	FPC CONNECTOR,CAP. MOTOR	
	CN106	QGF0517F2-16X	FPC CONNECTOR,SENSOR	
	CN107	QGB0406L1-50X	CONNECTOR	
	CN108	QGA1001F1-02X	CONNECTOR,EJECT SW	
	CN109	QGF0520F2-13X	FFC/FPC CONNECTOR,ZOOM OPE.	
	CN110	QGB0404M1-80X	CONNECTOR	
	CN111	QGF0517F2-20X	FPC CONNECTOR,CCD	
	CN112	QGF0517F1-08X	FPC CONNECTOR,SUB OPE.	
	CN113	QGF0306F1-39X	FPC CONNECTOR	
	CN114	QGB0512L4-40X	CONNECTOR,JIG	
	CN115	QGA1001F1-04X	CONNECTOR,MIC	
⚠	F6101	NMFZ007-2R0X-K	FUSE	T2.0A,50V
⚠	F6102	NMFZ007-2R0X-K	FUSE	T2.0A,50V
⚠	F6103	NMFZ007-1R0X-K	FUSE	T1.0A,50V
	OT1	LY30029-0W6A	SPACER(A)	
	OT2	LY30029-0V3A	SPACER(A)	
	OT3	LY30029-0V7A	SPACER(A)	
	OT4	LY30029-0W3A	SPACER(A)	
	OT5	LY30029-0X7A	SPACER(A)	
	OT6	LY30029-0W9A	SPACER(A)	
	OT7	LY30029-0X6A	SPACER(A)	
	OT9	LY30029-0X9A	SPACER(A)	
	OT10	LY30030-038A	SPACER(A)	
	SD1	LY32271-001B	SHIELD CASE(PR)	
	SD2	LY44283-001A	SHIELD(CCD2)	

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OP MDA BOARD ASSEMBLY <02>

	PW	YB10371B	OP MDA BOARD ASSY
	IC4802	NJM2143R-X	IC
	IC4803	NJM2143R-X	IC
	IC4804	NJM3414AV	IC
	IC4805	MM6564XFBE	IC
	IC4806	TC7S08FU	IC(DIGITAL)
	IC4851	UPD16879GS	IC
	Q1151	RPM-22PB	PHOTO TRANSISTOR
	Q2001	DTC143XE	DIGI TRANSISTOR
	Q2901	2SB1121/TU/-X	TRANSISTOR
	Q2901	or 2SB1121/ST/-X	TRANSISTOR
	Q2902	2SC5658	TRANSISTOR
	Q4801	2SC4655/BC/-X	TRANSISTOR
	Q4802	2SC5658	TRANSISTOR
	Q4803	DTC144EE	DIGI TRANSISTOR
	Q4804	DTA144EE	DIGI TRANSISTOR
	Q4805	2SC4617/RS/-X	TRANSISTOR
	Q4806	2SA1774/QR/-X	TRANSISTOR
	Q4851	2SC5658	TRANSISTOR
	D2001	CL-221HR-C-X	LE DIODE

# ⚠	REF No.	PART No.	PART NAME, DESCRIPTION	
	D2901	EMZ6.8N	ZENER DIODE	
	D2902	EMZ6.8N	ZENER DIODE	
	D2903	EMZ6.8N	ZENER DIODE	
	R1151	NRSA6AJ-302W	MG RESISTOR	3kΩ,1/16W
	R2001	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W
	R2903	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R2905	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R2906	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R2907	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R2908	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R2919	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R2920	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R4804	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
	R4805	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R4806	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
	R4807	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W
	R4808	NRSA6AJ-243W	MG RESISTOR	24kΩ,1/16W
	R4809	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W
	R4810	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R4811	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W
	R4812	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
	R4814	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R4815	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R4816	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W
	R4817	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R4818	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R4819	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R4820	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R4821	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R4822	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R4823	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R4824	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W
	R4825	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R4826	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R4828	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
	R4829	NRSA6AJ-122W	MG RESISTOR	1.2kΩ,1/16W
	R4830	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W
	R4831	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W
	R4832	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
	R4833	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R4834	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R4836	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W
	R4841	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R4842	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W
	R4848	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R4856	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
	R4857	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
	R4858	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W
	R4862	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
	R4863	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W
	R4864	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R4865	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R4866	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R4867	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W
	R4868	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W
	R4870	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W
	R9901	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W
	R9902	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W
	R9903	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W
	R9904	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W
	C1151	NBZ0015-106X	T CAPACITOR	10μF,6.3V
	C1152	NCB21HK-683X-R	CAPACITOR	0.068μF,50V
	C2901	NCBA1CK-103W	CAPACITOR	0.01μF,16V

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
C2904	NCBA1CK-103W	CAPACITOR	0.01µF,16V
C4803	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4804	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4805	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4806	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4808	NCB30JK-105X	CAPACITOR	1µF,6.3V
C4809	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4810	NCFA1HZ-103W	CAPACITOR	0.01µF,50V
C4811	NCFA1HZ-103W	CAPACITOR	0.01µF,50V
C4812	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4813	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4814	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4815	NCB31HK-152X	CAPACITOR	0.0015µF,50V
C4816	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4819	NCF31CZ-104X	CAPACITOR	0.1µF,16V
C4851	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4852	NCFA1AZ-104W	CAPACITOR	0.1µF,10V
C4853	NBEJ0JM-475X	T CAPACITOR	4.7µF,6.3V
C4854	NBZ0015-106X	T CAPACITOR	10µF,6.3V
C4855	NCB31CK-104X	CAPACITOR	0.1µF,16V
C4858	NDCA1HJ-680W	CAPACITOR	68pF,50V
C4859	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C4860	NCBA1CK-223W	CAPACITOR	0.022µF,16V
C4861	NCBA1CK-153W	CAPACITOR	0.015µF,16V
C4862	NCBA1CK-153W	CAPACITOR	0.015µF,16V
C4864	NBEJ0JM-475X	T CAPACITOR	4.7µF,6.3V
C4865	NCBA1AK-104W	CAPACITOR	0.1µF,10V
L1151	NQR0265-001X	FERRITE BEAD	
L2901	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
L2902	NQR0251-004X	FERRITE BEAD	
L2903	NQR0251-004X	FERRITE BEAD	
L2904	NQR0251-004X	FERRITE BEAD	
L2905	NQR0251-004X	FERRITE BEAD	
L2906	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W
L2907	NQR0251-004X	FERRITE BEAD	
L2908	NQR0251-004X	FERRITE BEAD	
L2909	NQR0251-004X	FERRITE BEAD	
L2910	NQR0251-004X	FERRITE BEAD	
L4802	NQL38DK-100X	COIL	10µH
L4851	NQR0129-002X	FERRITE BEAD	
L4852	NQL38DK-100X	COIL	10µH
L4853	NQL38DK-100X	COIL	10µH
B201	QAB0040-001	LI BATTERY	
SW2001	NSW0175-001X	PUSH SWITCH,VF SW	
S9901	NSW0145-001X	TACT SWITCH,BACK LIGHT	
S9902	NSW0145-001X	TACT SWITCH,EXPOSURE	
S9903	NSW0145-001X	TACT SWITCH,FOCUS	
S9904	NSW0099-001X	SLIDE SWITCH,VIDEO/MEMORY	
CN201	QGB0404L1-80X	CONNECTOR	
CN202	QGF0517F1-16X	FPC CONNECTOR,SHOE	
CN203	QGF0517F1-20X	FPC CONNECTOR,VF BL	
CN204	QGF0517F1-24X	FPC CONNECTOR,OP	
OT1	LY43916-001A	SPACER(TACT)	
OT2	LY30030-029A	SPACER(A)	

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BOTTOM BOARD ASSEMBLY <03>

PW1	YB10372B1-03	BOTTOM BOARD ASSY	
D2801	RSA6.1J4-W	SI DIODE	
D2802	RSA6.1J4-W	SI DIODE	
D2803	EDZ6.8B-X	SI DIODE	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R2801	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R2802	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R2803	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R2804	NRSA63J-220X	MG RESISTOR	22Ω,1/16W
R2805	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2806	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2807	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2808	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2809	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2810	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2811	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W
R2814	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R2851	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R2852	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W
R2853	NRSA63J-151X	MG RESISTOR	150Ω,1/16W
R2854	NRSA63J-151X	MG RESISTOR	150Ω,1/16W
R2855	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
C2801	NBE20GM-476X	T CAPACITOR	46µF,4.0V
C2804	NCBA1AK-104W	CAPACITOR	0.1µF,10V
C2851	NCB31CK-683X	CAPACITOR	0.068µF,16V
C2852	NCB31CK-683X	CAPACITOR	0.068µF,16V
C2853	NCB31HK-472X	CAPACITOR	0.0047µF,50V
C2854	NCB31HK-472X	CAPACITOR	0.0047µF,50V
L2801	NQR0384-003X	COIL	
L2851	NQR0251-004X	FERRITE BEAD	
L2852	NQR0251-004X	FERRITE BEAD	
L2853	NQR0251-004X	FERRITE BEAD	
L2854	NQR0251-004X	FERRITE BEAD	
L2855	NQR0251-004X	FERRITE BEAD	
L2856	NQR0251-004X	FERRITE BEAD	
L2857	NQR0251-004X	FERRITE BEAD	
L2858	NQR0251-004X	FERRITE BEAD	
L2859	NQR0251-004X	FERRITE BEAD	
BK1	LY32626-001A	BOTTOM PWB BRACKET	
J301	QNS0200-001	3.5 JACK	
J302	NNZ0070-001X	USB CONNECTOR	
CN301	QGB0406M1-50X	CONNECTOR	
CN302	NNZ0082-001X	M CONNECTORCTOR,MULTI	
CN303	NNZ0067-001X	SD CARD CONNECTOR,SD	
OT1	LY30029-0V5A	SPACER(A)	
OT2	LY30029-0X4A	SPACER(A)	
OT3	LY30029-0Y2A	SPACER(A)	
OT4	LY30029-0X5A	SPACER(A)	
SD1	LY43764-001A	SHIELD(BOTTOM)	

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MONITOR BOARD ASSEMBLY <04>

PW1	YB20933A1	MONITOR BOARD ASSY	
Q7501	UMD3N	DIGI TRANSISTOR	
Q7502	2SC4617/RS/-X	TRANSISTOR	
Q7503	XP6501	TRANSISTOR	
Q7504	XP6501	TRANSISTOR	
D7601	UDZ2.7B	ZENER DIODE	
D7602	UDZS4.3B	ZENER DIODE	
R7501	NRSA63D-472X	MG RESISTOR	4.7kΩ,1/16W
R7502	NRSA63D-621X	MG RESISTOR	620Ω,1/16W
R7504	NRSA63D-101X	MG RESISTOR	100Ω,1/16W
R7505	NRSA63D-101X	MG RESISTOR	100Ω,1/16W
R7506	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R7507	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W
R7508	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION	
R7511	NRSA63D-153X	MG RESISTOR	15kΩ,1/16W
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W
R7601	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
C7501	NCB21CK-104X	CAPACITOR	0.1μF,16V
C7502	NCB21CK-104X	CAPACITOR	0.1μF,16V
C7601	NCB21CK-104X	CAPACITOR	0.1μF,16V
C7602	NCB21CK-105X	CAPACITOR	1μF,16V
C7603	NCB21CK-105X	CAPACITOR	1μF,16V
C7605	NBE81AM-106X	T CAPACITOR	10μF,10V
C7606	NCB21CK-105X	CAPACITOR	1μF,16V
CN401	QGF0307F1-33W	FPC CONNECTOR	
CN402	QGF0517F1-24X	FPC CONNECTOR	
CN403	QGF0520F1-06X	FFC/FPC CONNECTOR	

****

CCD BOARD ASSEMBLY <05>

PW1	YB20926B-01	CCD PWB ASSY	
Q5201	2SC4083/NP/-X	TRANSISTOR	
Q5202	2SC4081/RS/-X	TRANSISTOR	
Q5203	2SC4082/P/-X	TRANSISTOR	
R5201	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W
R5202	NRSA63J-821X	MG RESISTOR	820Ω,1/16W
R5203	NRSA63J-822X	MG RESISTOR	8.2kΩ,1/16W
R5204	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
R5205	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W
C5202	NBZ0018-106X	TA E CAPACITOR	10μF,20V
C5203	NCF31EZ-104X	C CAPACITOR	0.1μF,25V
C5204	NBE21AM-106X	TA E CAPACITOR	10μF,10V
C5205	NCB31CK-104X	C CAPACITOR	0.1μF,16V
C5206	NCB21EK-104X	C CAPACITOR	0.1μF,25V
C5207	NCB31HK-222X	C CAPACITOR	0.0022μF,50V
C5211	NCB31CK-104X	C CAPACITOR	0.1μF,16V
OT1	LY30029-0V8B	SPACER(A)	

****

EJECT BOARD ASSEMBLY <06>

PW2	YB10372A2-03	EJECT BOARD ASSY
S1	NSW0095-001X	DETECT SWITCH,EJECT SW
WR1	WJM0286-001A	E-SI C WIRE C-F,EJECT-MAIN CN108

****

VF BL BOARD ASSEMBLY <07>

PW2	YB20933A2	VF BL BOARD ASSY	
Q7001	UMD3N	DIGI TRANSISTOR	
Q7002	PUMX1	PAIR TRANSISTOR	
D7001	NSCW100A0/ST/-X	LE DIODE	
R7001	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W
R7002	NRSA63J-561X	MG RESISTOR	560Ω,1/16W
R7003	NRSA63J-470X	MG RESISTOR	47Ω,1/16W
R7005	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W
C7001	NCB31CK-104X	CAPACITOR	0.1μF,16V
C7002	NCB31CK-104X	CAPACITOR	0.1μF,16V
C7003	NCB31CK-104X	CAPACITOR	0.1μF,16V
CN7001	QGF0517F2-20X	FPC CONNECTOR	
CN7002	QGF0517F1-16X	FPC CONNECTOR	

# ⚠ REF No.	PART No.	PART NAME, DESCRIPTION

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Printed in Japan
0304 VP

SECTION 3
ADJUSTMENT

3.1 PRECAUTION

3.1.1 Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E^2PROM (IC1003 of MAIN board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.
3. Shortcircuit between operation unit and DECK chassis.

3.1.2 Required test equipment

1. Color TV monitor
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

Note : *It is recommended to use one observable 300 MHz or higher frequency.*

4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3.1.3 Tools required for adjustments

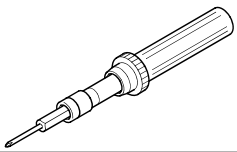
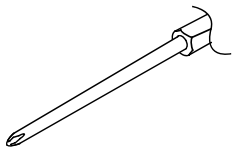
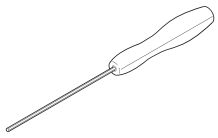
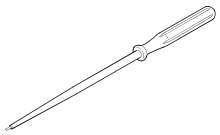
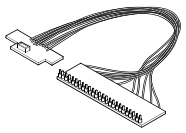
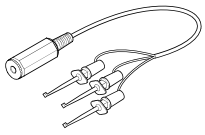
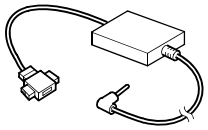
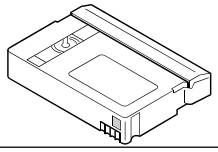
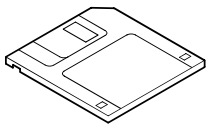
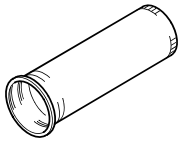
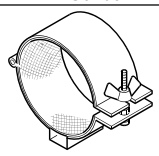
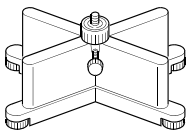
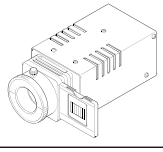
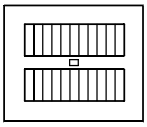
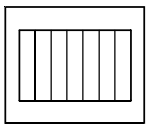
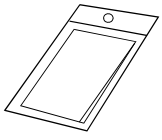
1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Guide driver (Hexagonal) D-770-1.27	4 Adjustment driver YTU94028
	
5 Jig connector cable YTU93106C	6 Communication cable YTU93107A
	
7 PC cable QAM0099-005	8 Alignment tape MC-1
	
9 Service support system YTU94057-66	10 INF adjustment lens YTU92001B
	
11 INF adjustment lens holder YTU94087	12 Camera stand YTU93079
	
13 Light box assembly YTU93096A	14 Gray scale chart YTU94133A
	
15 Color bar chart YTU94133C	16 Cleaning cloth KSMM-01
	

Table 3-1-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Guide driver**
   To be used to turn the guide roller to adjustment of the linearity of playback envelope.
4. **Adjustment driver**
   To be used for adjustment.
5. **Jig connector cable**
   To be connected to the Jig connector jack of the main board and used for measurement and adjustment.

MAIN CN114			JIG CONN. BOARD (PIN NO.)	
VF_RPD	40		40	VF_RPD
CVF_G		20	39	CVF_R
CVF_R	39		38	VF_COM
CVF_B		19	37	MT_G
VF_COM	38		36	MT_B
MT_RPD		18	35	MT_PSIG
MT_G	37		33	SBE
MT_R		17	32	FRP
MT_B	36		31	DISCRI
MT_COMCS		16	30	ATFI
MT_PSIG	35		29	ENV_OUT
GND		15	28	TRST
GND	34		27	TMS
MONI_CHG		14	26	TDI
SBE	33		25	JLIP_TX
SPA		13	20	CVF_G
FRP	32		19	CVF_B
FS_PLL		12	18	MT_RPD
DISCRI	31		17	MT_R
HID1		11	16	MT_COMCS
ATFI	30		15	GND
MAIN_VCO		10	14	MONI_CHG
ENV_OUT	29		13	SPA
PB_CLK		9	12	FS_PLL
TRST	28		11	HID1
TCMK		8	10	MAIN_VCO
TMS	27		9	PB_CLK
TDO		7	8	TCMK
TDI	26		7	TDO
JLIP_RX		6	6	JLIP_RX
JLIP_TX	25			
IF_TX		5		
AL_3VSYS	24			
CJIG_RST		4		
VPPC	23			
SRV_RX		3		
SRV_TX	22			
REG_3V		2		
DRST	21			
VPPD		1		

NOTE)
The JIG connector board uses 30 of the 40 pins of CN114 on the Main board.
Pins 1 to 5, 21 to 24 and 34 of CN114 on the Main board are not used.

Fig. 3-1-3-1

6. **Communication cable**
   Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
7. **PC cable**
   To be used to connect the Videocamera and a personal computer with each other when a personal computer issued for adjustment.
8. **Alignment tape**
   To be used for check and adjustment of interchangeability of the mechanism.
9. **Service support system**
   To be used for adjustment with a personal computer. Software can be downloaded also from JS-net.
10. **INF adjustment lens**
    To be used for adjustment of the camera system. For the usage of INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.
11. **INF lens holder**
    To be used together with the camera stand (12) for operating the Videocamera in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring. For the usage of the INF lens holder, refer to the Service Bulletin No. YA-SB-10035.
12. **Camera stand**
    To be used together with the INF adjustment lens holder. For the usage of the Camera stand, refer to the Service Bulletin No. YA-SB-10035.
13. **Light box assembly**
    To be used for adjustment of the camera system. For the usage of the Light box assembly, refer to the Service Bulletin No. YA-SB-10035.
14. **Gray scale chart (for Light box assembly)**
    To be used for adjustment of the camera system. For the usage of the Gray scale chart, refer to the Service Bulletin No. YA-SB-10035.
15. **Color bar chart (for Light box assembly)**
    To be used for adjustment of the camera system. For the usage of the Color bar chart, refer to the Service Bulletin No. YA-SB-10035.
16. **Cleaning cloth**
    Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

3.2 MECHANISM COMPATIBILITY ADJUSTMENT

Note:
When an adjustment is performed with the lower case cover attached, first slide the Cover (M.ADJ) open and then perform the compatibility adjustment.
Be sure not to damage the cover plate when sliding it open to make an adjustment because it must be re-positioned after completing the adjustment.

3.2.1 Jig connector cable connection

Remove one screw (1) first and the cover (JIG) next.

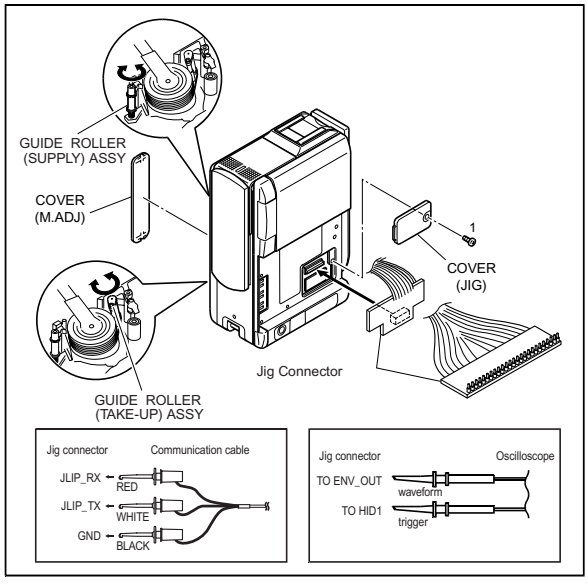


Fig. 3-2-1-1

3.2.2 Tape pattern check

(1) Play back the compatibility adjustment tape.

(2) While triggering the HID1, observe the waveform of ENV_OUT.

(3) Confirm that the waveform is free from remarkable level-down, and entirely parallel and straight.
Moreover, perform the following adjustment as required.

(4) In case any level-down is observed on the left hand side, straighten the level by turning the GUIDE ROLLER(SUPPLY).
In case any level-down is observed on the right hand side, however, straighten the level by turning the GUIDE ROLLER(TAKE-UP).

(5) After adjustment, try the unloading motion once, and confirm that the waveform is flat (straight) when the tape has been played back again.
Moreover, perform readjustment as required.

(6) When the recording has been played back again, play back the self-recording to confirm that the waveform is flat.

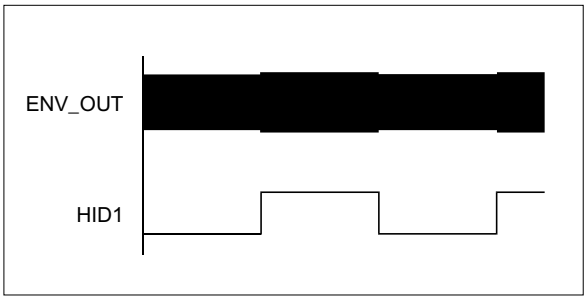


Fig. 3-2-2-1

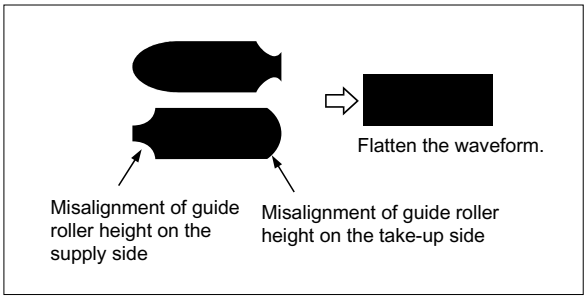

Flatten the waveform.
Misalignment of guide roller height on the supply side
Misalignment of guide roller height on the take-up side

Fig. 3-2-2-2

3.3 ELECTRICAL ADJUSTMENT

3.3.1 Electrical adjustment with PERSONAL COMPUTER

Electrical adjsutment except for B/W VF ASSEMBLY is performed by using PERSONAL COMPUTER. As for the cable connection, see Fig. 3-3-1-1. Read README.TXT file to use the software for SERVICE SUPPORT SYSTEM properly.

3.3.2 Setup

1. Setup for electrical adjustment with personal computer.

NOTE: *Remove one screw (1) first and the cover (JIG) next.*

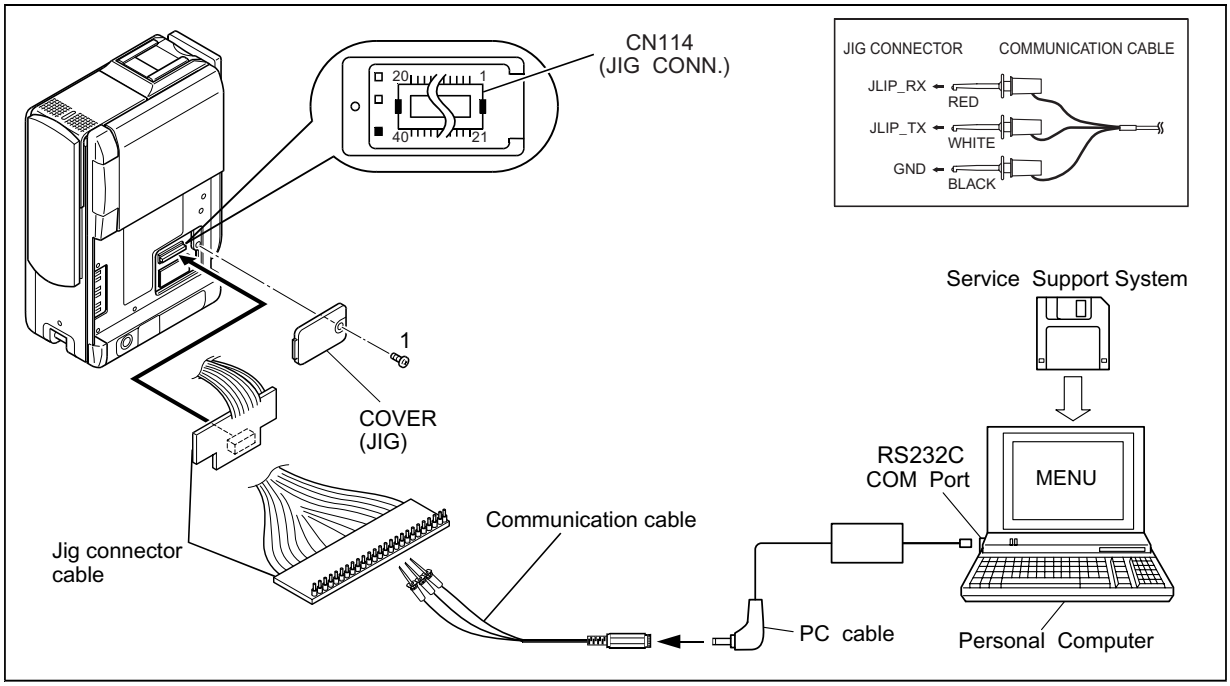


Fig. 3-3-1-1 Connection for Service support system

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0304 VP

SECTION 3
ADJUSTMENT

3.1 PRECAUTION

3.1.1 Precaution

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- OP block
- E^2PROM (IC1003 of MAIN board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.
3. Shortcircuit between operation unit and DECK chassis.

3.1.2 Required test equipment

1. Color TV monitor
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

Note : *It is recommended to use one observable 300 MHz or higher frequency.*

4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3.1.3 Tools required for adjustments

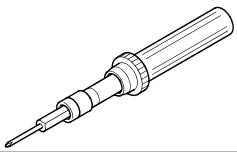
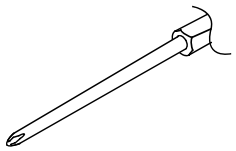
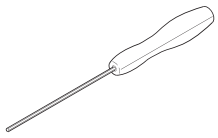
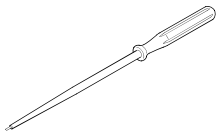
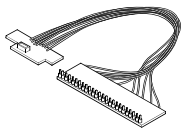
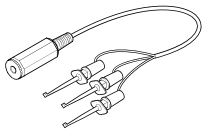
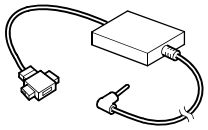
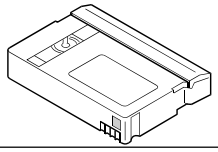
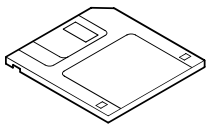
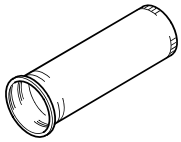
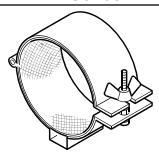
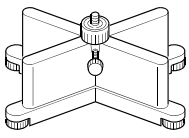
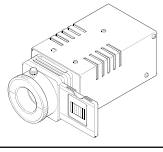
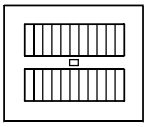
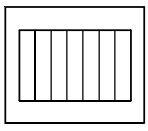
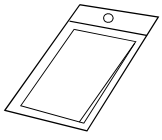
1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Guide driver (Hexagonal) D-770-1.27	4 Adjustment driver YTU94028
	
5 Jig connector cable YTU93106C	6 Communication cable YTU93107A
	
7 PC cable QAM0099-005	8 Alignment tape MC-1
	
9 Service support system YTU94057-66	10 INF adjustment lens YTU92001B
	
11 INF adjustment lens holder YTU94087	12 Camera stand YTU93079
	
13 Light box assembly YTU93096A	14 Gray scale chart YTU94133A
	
15 Color bar chart YTU94133C	16 Cleaning cloth KSMM-01
	

Table 3-1-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Guide driver**
   To be used to turn the guide roller to adjustment of the linearity of playback envelope.
4. **Adjustment driver**
   To be used for adjustment.
5. **Jig connector cable**
   To be connected to the Jig connector jack of the main board and used for measurement and adjustment.

MAIN CN114			JIG CONN. BOARD (PIN NO.)	
VF_RPD	40		40	VF_RPD
CVF_G		20	39	CVF_R
CVF_R	39		38	VF_COM
CVF_B		19	37	MT_G
VF_COM	38		36	MT_B
MT_RPD		18	35	MT_PSIG
MT_G	37		33	SBE
MT_R		17	32	FRP
MT_B	36		31	DISCRI
MT_COMCS		16	30	ATFI
MT_PSIG	35		29	ENV_OUT
GND		15	28	TRST
GND	34		27	TMS
MONI_CHG		14	26	TDI
SBE	33		25	JLIP_TX
SPA		13	20	CVF_G
FRP	32		19	CVF_B
FS_PLL		12	18	MT_RPD
DISCRI	31		17	MT_R
HID1		11	16	MT_COMCS
ATFI	30		15	GND
MAIN_VCO		10	14	MONI_CHG
ENV_OUT	29		13	SPA
PB_CLK		9	12	FS_PLL
TRST	28		11	HID1
TCMK		8	10	MAIN_VCO
TMS	27		9	PB_CLK
TDO		7	8	TCMK
TDI	26		7	TDO
JLIP_RX		6	6	JLIP_RX
JLIP_TX	25			
IF_TX		5		
AL_3VSYS	24			
CJIG_RST		4		
VPPC	23			
SRV_RX		3		
SRV_TX	22			
REG_3V		2		
DRST	21			
VPPD		1		

NOTE)
The JIG connector board uses 30 of the 40 pins of CN114 on the Main board.
Pins 1 to 5, 21 to 24 and 34 of CN114 on the Main board are not used.

Fig. 3-1-3-1

6. **Communication cable**
   Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
7. **PC cable**
   To be used to connect the Videocamera and a personal computer with each other when a personal computer issued for adjustment.
8. **Alignment tape**
   To be used for check and adjustment of interchangeability of the mechanism.
9. **Service support system**
   To be used for adjustment with a personal computer. Software can be downloaded also from JS-net.
10. **INF adjustment lens**
    To be used for adjustment of the camera system. For the usage of INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.
11. **INF lens holder**
    To be used together with the camera stand (12) for operating the Videocamera in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring. For the usage of the INF lens holder, refer to the Service Bulletin No. YA-SB-10035.
12. **Camera stand**
    To be used together with the INF adjustment lens holder. For the usage of the Camera stand, refer to the Service Bulletin No. YA-SB-10035.
13. **Light box assembly**
    To be used for adjustment of the camera system. For the usage of the Light box assembly, refer to the Service Bulletin No. YA-SB-10035.
14. **Gray scale chart (for Light box assembly)**
    To be used for adjustment of the camera system. For the usage of the Gray scale chart, refer to the Service Bulletin No. YA-SB-10035.
15. **Color bar chart (for Light box assembly)**
    To be used for adjustment of the camera system. For the usage of the Color bar chart, refer to the Service Bulletin No. YA-SB-10035.
16. **Cleaning cloth**
    Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

3.2 MECHANISM COMPATIBILITY ADJUSTMENT

Note:
When an adjustment is performed with the lower case cover attached, first slide the Cover (M.ADJ) open and then perform the compatibility adjustment.
Be sure not to damage the cover plate when sliding it open to make an adjustment because it must be re-positioned after completing the adjustment.

3.2.1 Jig connector cable connection

Remove one screw (1) first and the cover (JIG) next.

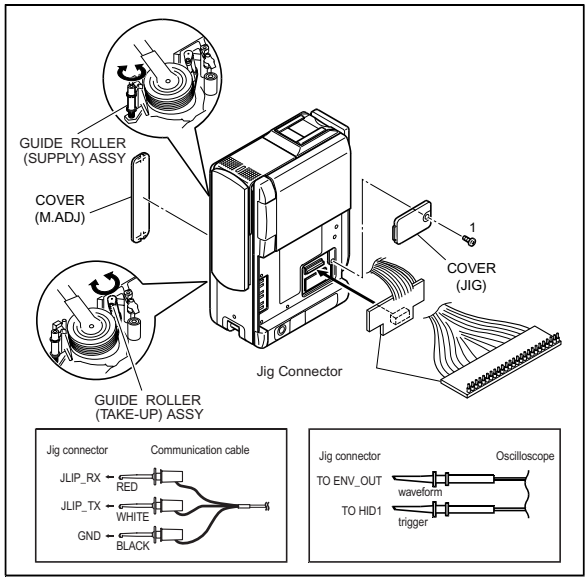


Fig. 3-2-1-1

3.2.2 Tape pattern check

(1) Play back the compatibility adjustment tape.

(2) While triggering the HID1, observe the waveform of ENV_OUT.

(3) Confirm that the waveform is free from remarkable level-down, and entirely parallel and straight.
Moreover, perform the following adjustment as required.

(4) In case any level-down is observed on the left hand side, straighten the level by turning the GUIDE ROLLER(SUPPLY).
In case any level-down is observed on the right hand side, however, straighten the level by turning the GUIDE ROLLER(TAKE-UP).

(5) After adjustment, try the unloading motion once, and confirm that the waveform is flat (straight) when the tape has been played back again.
Moreover, perform readjustment as required.

(6) When the recording has been played back again, play back the self-recording to confirm that the waveform is flat.

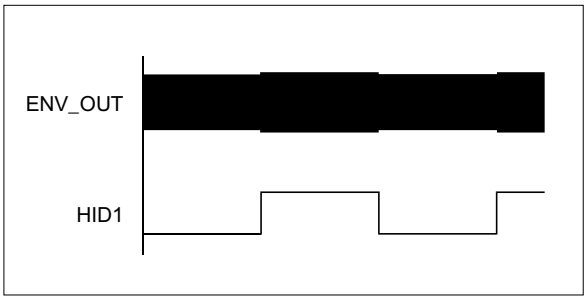


Fig. 3-2-2-1

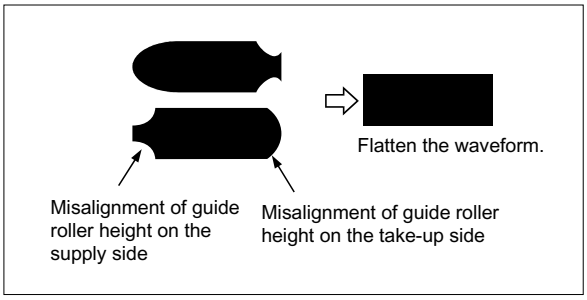

Flatten the waveform.
Misalignment of guide roller height on the supply side
Misalignment of guide roller height on the take-up side

Fig. 3-2-2-2

3.3 ELECTRICAL ADJUSTMENT

3.3.1 Electrical adjustment with PERSONAL COMPUTER

Electrical adjsutment except for B/W VF ASSEMBLY is performed by using PERSONAL COMPUTER. As for the cable connection, see Fig. 3-3-1-1. Read README.TXT file to use the software for SERVICE SUPPORT SYSTEM properly.

3.3.2 Setup

1. Setup for electrical adjustment with personal computer.

NOTE: *Remove one screw (1) first and the cover (JIG) next.*

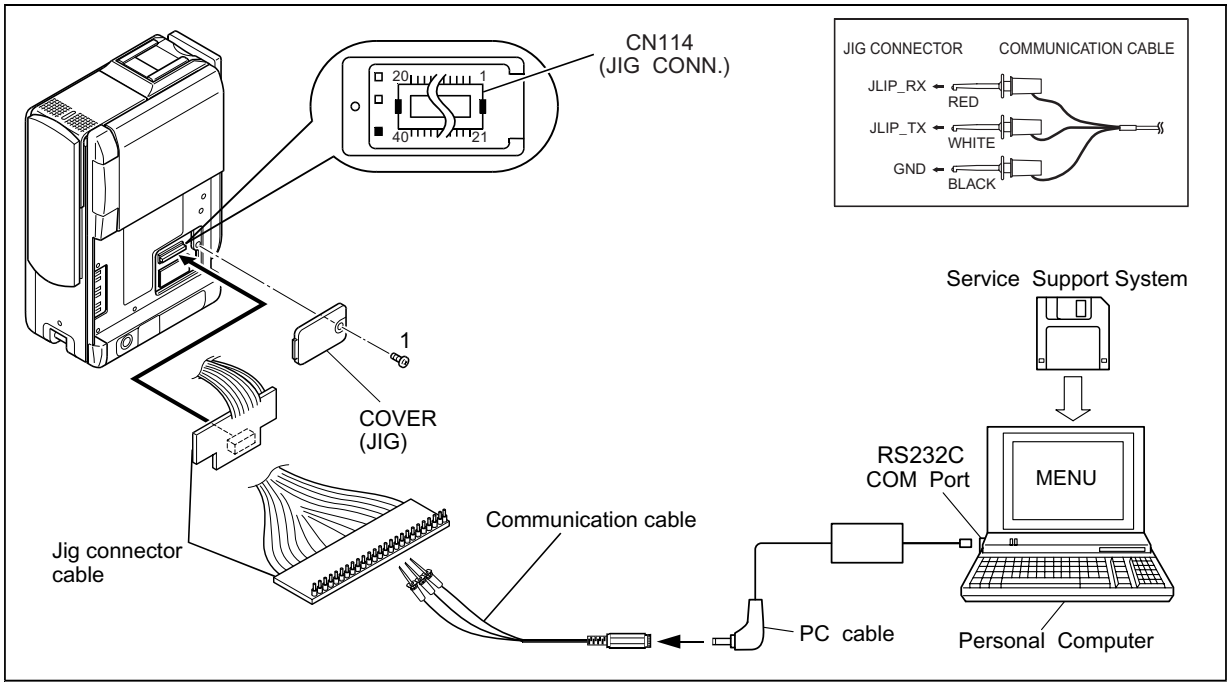


Fig. 3-3-1-1 Connection for Service support system

JVC
VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY. 12,3-chome,Moriya-cho,Kanagawa-ku,Yokohama,Kanagawa-prefecture,221-8528,Japan

Printed in Japan
0304 VP

SECTION 3
ADJUSTMENT

3.1 PRECAUTION

3.1.1 Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E^2PROM (IC1003 of MAIN board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.
3. Shortcircuit between operation unit and DECK chassis.

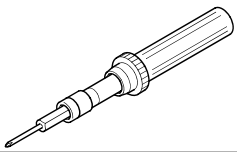
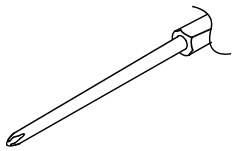
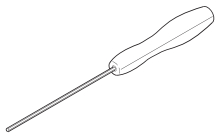
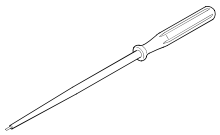
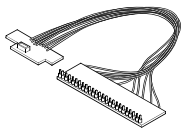
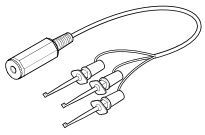
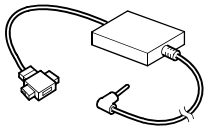
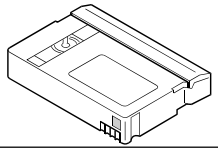
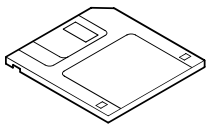
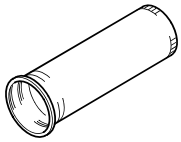
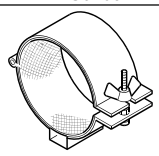
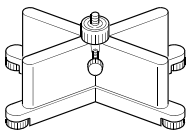
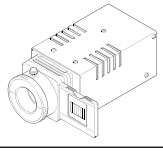
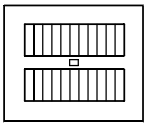
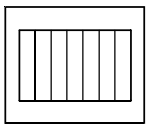
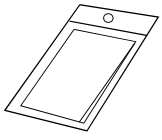
3.1.2 Required test equipment

1. Color TV monitor
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

Note : *It is recommended to use one observable 300 MHz or higher frequency.*

4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3.1.3 Tools required for adjustments

1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Guide driver (Hexagonal) D-770-1.27	4 Adjustment driver YTU94028
	
5 Jig connector cable YTU93106C	6 Communication cable YTU93107A
	
7 PC cable QAM0099-005	8 Alignment tape MC-1
	
9 Service support system YTU94057-66	10 INF adjustment lens YTU92001B
	
11 INF adjustment lens holder YTU94087	12 Camera stand YTU93079
	
13 Light box assembly YTU93096A	14 Gray scale chart YTU94133A
	
15 Color bar chart YTU94133C	16 Cleaning cloth KSMM-01
	

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MT_G	37		33	SBE
MT_R		17	32	FRP
MT_B	36		31	DISCRI
MT_COMCS		16	30	ATFI
MT_PSIG	35		29	ENV_OUT
GND		15	28	TRST
GND	34		27	TMS
MONI_CHG		14	26	TDI
SBE	33		25	JLIP_TX
SPA		13	20	CVF_G
FRP	32		19	CVF_B
FS_PLL		12	18	MT_RPD
DISCRI	31		17	MT_R
HID1		11	16	MT_COMCS
ATFI	30		15	GND
MAIN_VCO		10	14	MONI_CHG
ENV_OUT	29		13	SPA
PB_CLK		9	12	FS_PLL
TRST	28		11	HID1
TCMK		8	10	MAIN_VCO
TMS	27		9	PB_CLK
TDO		7	8	TCMK
TDI	26		7	TDO
JLIP_RX		6	6	JLIP_RX
JLIP_TX	25			
IF_TX		5		
AL_3VSYS	24			
CJIG_RST		4		
VPPC	23			
SRV_RX		3		
SRV_TX	22			
REG_3V		2		
DRST	21			
VPPD		1		

NOTE)
The JIG connector board uses 30 of the 40 pins of CN114 on the Main board.
Pins 1 to 5, 21 to 24 and 34 of CN114 on the Main board are not used.

Fig. 3-1-3-1

6. **Communication cable**
   Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.
7. **PC cable**
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    To be used for adjustment of the camera system. For the usage of the Light box assembly, refer to the Service Bulletin No. YA-SB-10035.
14. **Gray scale chart (for Light box assembly)**
    To be used for adjustment of the camera system. For the usage of the Gray scale chart, refer to the Service Bulletin No. YA-SB-10035.
15. **Color bar chart (for Light box assembly)**
    To be used for adjustment of the camera system. For the usage of the Color bar chart, refer to the Service Bulletin No. YA-SB-10035.
16. **Cleaning cloth**
    Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

3.2 MECHANISM COMPATIBILITY ADJUSTMENT

Note:
When an adjustment is performed with the lower case cover attached, first slide the Cover (M.ADJ) open and then perform the compatibility adjustment.
Be sure not to damage the cover plate when sliding it open to make an adjustment because it must be re-positioned after completing the adjustment.

3.2.1 Jig connector cable connection

Remove one screw (1) first and the cover (JIG) next.

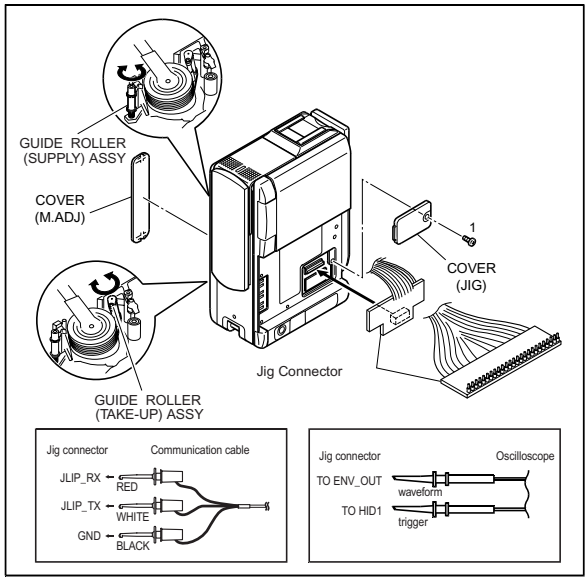

Fig. 3-2-1-1

3.2.2 Tape pattern check

(1) Play back the compatibility adjustment tape.

(2) While triggering the HID1, observe the waveform of ENV_OUT.

(3) Confirm that the waveform is free from remarkable level-down, and entirely parallel and straight.
Moreover, perform the following adjustment as required.

(4) In case any level-down is observed on the left hand side, straighten the level by turning the GUIDE ROLLER(SUPPLY).
In case any level-down is observed on the right hand side, however, straighten the level by turning the GUIDE ROLLER(TAKE-UP).

(5) After adjustment, try the unloading motion once, and confirm that the waveform is flat (straight) when the tape has been played back again.
Moreover, perform readjustment as required.

(6) When the recording has been played back again, play back the self-recording to confirm that the waveform is flat.

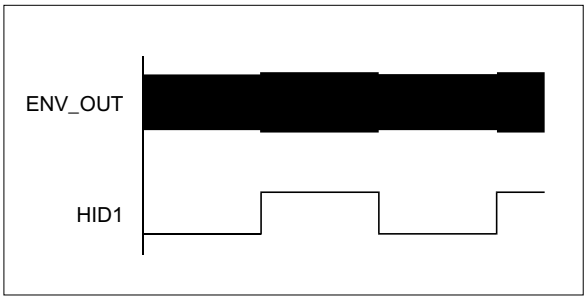

Fig. 3-2-2-1

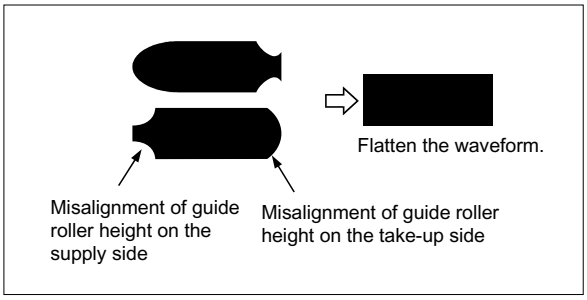
Flatten the waveform.
Misalignment of guide roller height on the supply side
Misalignment of guide roller height on the take-up side

Fig. 3-2-2-2

3.3 ELECTRICAL ADJUSTMENT

3.3.1 Electrical adjustment with PERSONAL COMPUTER

Electrical adjsutment except for B/W VF ASSEMBLY is performed by using PERSONAL COMPUTER. As for the cable connection, see Fig. 3-3-1-1. Read README.TXT file to use the software for SERVICE SUPPORT SYSTEM properly.

3.3.2 Setup

1. Setup for electrical adjustment with personal computer.

NOTE: *Remove one screw (1) first and the cover (JIG) next.*

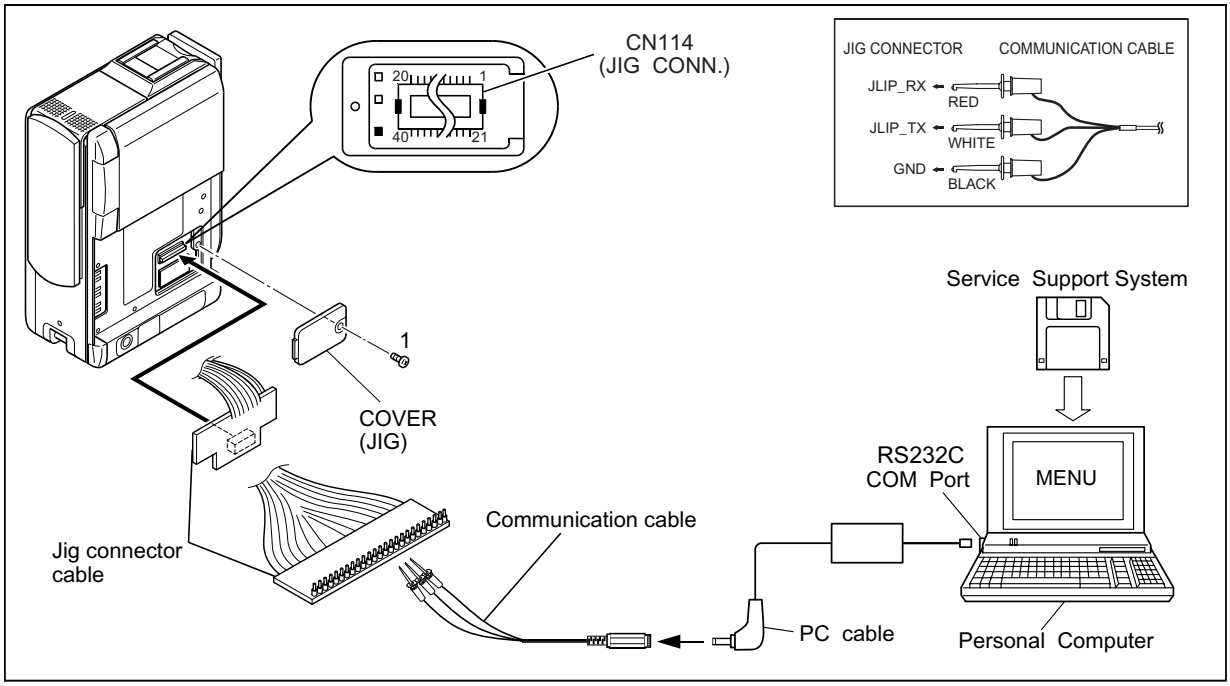

Fig. 3-3-1-1 Connection for Service support system

JVC
VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY. 12,3-chome,Moriya-cho,Kanagawa-ku,Yokohama,Kanagawa-prefecture,221-8528,Japan

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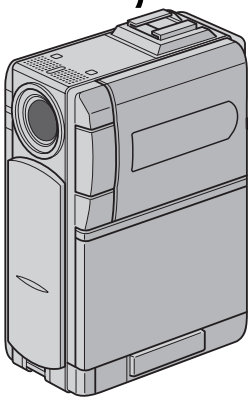
JVC

SERVICE MANUAL

DIGITAL VIDEO CAMERA

GR-DVP8EK,GR-DVP8EX,GR-DVP8EY, GR-DVP9EK,GR-DVP9EX,GR-DVP9EY,GR-DVP9EZ



Mini DV PAL

DSC DIGITAL STILL CAMERA

For disassembling and assembling of MECHANISM ASSEMBLY, refer to the SERVICE MANUAL No.86700(MECHANISM ASSEMBLY).

SPECIFICATIONS *(The specifications shown pertain specifically to the model GR-DVP8EK and GR-DVP9EK.)*

Camcorder

For General

Power supply	:	DC 6.3 V(Using AC Power Adapter/Charger) DC 7.2 V(Using battery pack)
Power consumption		
LCD monitor off, viewfinder on	:	Approx. 3.9 W
LCD monitor on, viewfinder off	:	Approx. 4.7 W
Dimensions (W x H x D)	:	43mm x 115mm x 80mm (with the LCD monitor closed and the viewfinder pushed back in)
Weight	:	Approx.350g (without grip belt, battery and cassette) Approx.420g (incl. grip belt, battery and cassette)
Operating temperature	:	0°C to 40°C
Operating humidity	:	35% to 80%
Storage temperature	:	–20°C to 50°C
Pickup	:	1/4" CCD
Lens	:	F 1.8, f = 3.8 mm to 38 mm, 10:1 power zoom lens (It is not possible to attach any lens filter or conversion lens.)
LCD monitor	:	2" diagonally measured, LCD panel/TFT active matrix system
Viewfinder	:	Electronic viewfinder with 0.44" colour LCD
Speaker	:	Monaural

For Digital Video Camera

Format	:	DV format (SD mode)
Signal format	:	PAL standard
Recording/Playback format	:	Video:Digital component recording Audio:PCM digital recording, 32kHz 4-channel (12-bit), 48kHz 2-channel (16-bit)
Cassette	:	Mini DV cassette
Tape speed	:	SP:18.8mm/s LP:12.5mm/s
Maximum recording time (using 80 min. cassette)	:	SP:80min. LP:120min.

For Digital Still Camera

Storage media	:	SD Memory Card/MultiMediaCard
Compression system	:	Still image:JPEG (compatible) Moving image:MPEG4 (compatible)
File size		
Still image	:	4 modes (1600x1200 pixels/1280x960 pixels/1024x768 pixels/640x480 pixels)
Moving image	:	2 modes (240x176 pixels/160x120 pixels)
Picture quality	:	2 modes (FINE/STANDARD)
Approximate number of storable images	:	pg.39

For Connectors

S/AV

S-Video input (GR-DVP9 only)	:	Y:0.8 Vto1.2V (p-p), 75 Ω, analogue C:0.2 Vto0.4 V (p-p), 75 Ω, analogue
S-Video output	:	Y:1.0 V (p-p), 75 Ω, analogue C:0.29 V (p-p), 75 Ω, analogue
Video input (GR-DVP9 only)	:	Y:0.8 Vto1.2V (p-p), 75Ω, analogue
Video output	:	Y:1.0 V (p-p), 75Ω, analogue
Audio input (GR-DVP9 only)	:	300 mV (rms), 50kΩ, analogue, stereo
Audio output	:	300 mV (rms), 1kΩ, analogue, stereo
Edit	:	ø3.5mm, 2-pole
Headphone output	:	Stereo

DV

Input/output (GR-DVP9 only)	:	4-pin, IEEE 1394 compliant
Output (GR-DVP8 only)	:	4-pin, IEEE 1394 compliant
USB	:	5-pin

AC Power Adapter/Charger

For General

Power requirement	:	AC 110V to 240V~, 50Hz/60Hz
Power consumption	:	23W
Output		
Charge	:	DC 7.2 V ⎓, 1.2 A
VTR	:	DC 6.3 V ⎓, 1.8 A

Specifications shown are for SP mode unless otherwise indicated. E & O.E. Design and specifications subject to change without notice.

GR-DVP8EK,GR-DVP8EX,GR-DVP8EY,GR-DVP9EK,GR-DVP9EX,GR-DVP9EY,GR-DVP9EZ M3D7S3

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Important Safety Precautions

Prior to shipment from the factory, JVC products are strictly inspected to conform with the recognized product safety and electrical codes of the countries in which they are to be sold. However, in order to maintain such compliance, it is equally important to implement the following precautions when a set is being serviced.

●Precautions during Servicing

1. Locations requiring special caution are denoted by labels and inscriptions on the cabinet, chassis and certain parts of the product. When performing service, be sure to read and comply with these and other cautionary notices appearing in the operation and service manuals.

2. Parts identified by the ⚠ symbol and shaded ( ) parts are critical for safety.
   Replace only with specified part numbers.
   Note: Parts in this category also include those specified to comply with X-ray emission standards for products using cathode ray tubes and those specified for compliance with various regulations regarding spurious radiation emission.

3. Fuse replacement caution notice.
   Caution for continued protection against fire hazard.
   Replace only with same type and rated fuse(s) as specified.

4. Use specified internal wiring. Note especially:
   1) Wires covered with PVC tubing
   2) Double insulated wires
   3) High voltage leads

5. Use specified insulating materials for hazardous live parts. Note especially:
   1) Insulation Tape 3) Spacers 5) Barrier
   2) PVC tubing 4) Insulation sheets for transistors

6. When replacing AC primary side components (transformers, power cords, noise blocking capacitors, etc.) wrap ends of wires securely about the terminals before soldering.

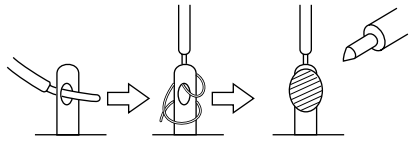


Fig.1

7. Observe that wires do not contact heat producing parts (heatsinks, oxide metal film resistors, fusible resistors, etc.)

8. Check that replaced wires do not contact sharp edged or pointed parts.

9. When a power cord has been replaced, check that 10-15 kg of force in any direction will not loosen it.

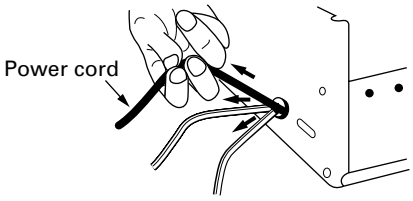


Fig.2

10. Also check areas surrounding repaired locations.

11. Products using cathode ray tubes (CRTs)
    In regard to such products, the cathode ray tubes themselves, the high voltage circuits, and related circuits are specified for compliance with recognized codes pertaining to X-ray emission. Consequently, when servicing these products, replace the cathode ray tubes and other parts with only the specified parts. Under no circumstances attempt to modify these circuits. Unauthorized modification can increase the high voltage value and cause X-ray emission from the cathode ray tube.

12. Crimp type wire connector
    In such cases as when replacing the power transformer in sets where the connections between the power cord and power transformer primary lead wires are performed using crimp type connectors, if replacing the connectors is unavoidable, in order to prevent safety hazards, perform carefully and precisely according to the following steps.

    1) **Connector part number** : E03830-001
    2) **Required tool** : Connector crimping tool of the proper type which will not damage insulated parts.
    3) **Replacement procedure**
       (1) Remove the old connector by cutting the wires at a point close to the connector.
       Important : Do not reuse a connector (discard it).

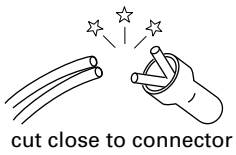


Fig.3

(2) Strip about 15 mm of the insulation from the ends of the wires. If the wires are stranded, twist the strands to avoid frayed conductors.

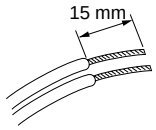


Fig.4

(3) Align the lengths of the wires to be connected. Insert the wires fully into the connector.

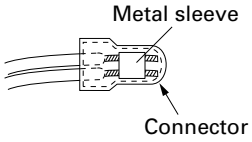


Fig.5

(4) As shown in Fig.6, use the crimping tool to crimp the metal sleeve at the center position. Be sure to crimp fully to the complete closure of the tool.

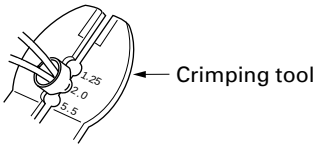


Fig.6

(5) Check the four points noted in Fig.7.

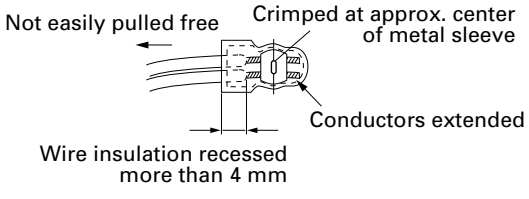

Not easily pulled free
Crimped at approx. center of metal sleeve
Conductors extended
Wire insulation recessed more than 4 mm

Fig.7

● Safety Check after Servicing

Examine the area surrounding the repaired location for damage or deterioration. Observe that screws, parts and wires have been returned to original positions, Afterwards, perform the following tests and confirm the specified values in order to verify compliance with safety standards.

1. Insulation resistance test

Confirm the specified insulation resistance or greater between power cord plug prongs and externally exposed parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

2. Dielectric strength test

Confirm specified dielectric strength or greater between power cord plug prongs and exposed accessible parts of the set (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.). See table 1 below.

3. Clearance distance

When replacing primary circuit components, confirm specified clearance distance (d), (d') between soldered terminals, and between terminals and surrounding metallic parts. See table 1 below.

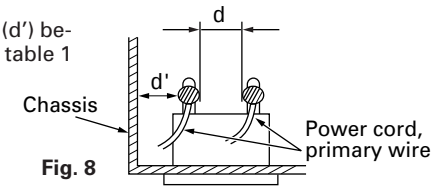


Fig. 8

4. Leakage current test

Confirm specified or lower leakage current between earth ground/power cord plug prongs and externally exposed accessible parts (RF terminals, antenna terminals, video and audio input and output terminals, microphone jacks, earphone jacks, etc.).

Measuring Method : (Power ON)

Insert load Z between earth ground/power cord plug prongs and externally exposed accessible parts. Use an AC voltmeter to measure across both terminals of load Z. See figure 9 and following table 2.

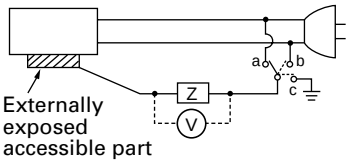


Fig. 9

5. Grounding (Class Ⅰ model only)

Confirm specified or lower grounding impedance between earth pin in AC inlet and externally exposed accessible parts (Video in, Video out, Audio in, Audio out or Fixing screw etc.).

Measuring Method:

Connect milli ohm meter between earth pin in AC inlet and exposed accessible parts. See figure 10 and grounding specifications.

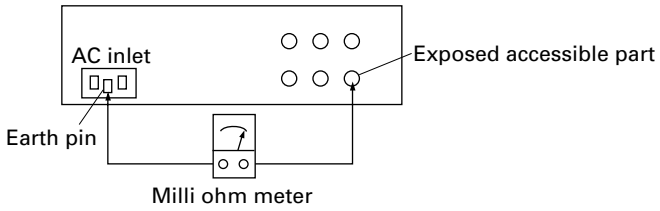


Fig. 10

Grounding Specifications

Region	Grounding Impedance (Z)
USA & Canada	Z ≦ 0.1 ohm
Europe & Australia	Z ≦ 0.5 ohm

AC Line Voltage	Region	Insulation Resistance (R)	Dielectric Strength	Clearance Distance (d), (d')
100 V	Japan	R ≧ 1 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3 mm
100 to 240 V			AC 1.5 kV 1 miute	d, d' ≧ 4 mm
110 to 130 V	USA & Canada	1 MΩ ≦ R ≦ 12 MΩ/500 V DC	AC 1 kV 1 minute	d, d' ≧ 3.2 mm
110 to 130 V 200 to 240 V	Europe & Australia	R ≧ 10 MΩ/500 V DC	AC 3 kV 1 minute (Class Ⅱ) AC 1.5 kV 1 minute (Class Ⅰ)	d ≧ 4 mm d' ≧ 8 mm (Power cord) d' ≧ 6 mm (Primary wire)

Table 1 Specifications for each region

AC Line Voltage	Region	Load Z	Leakage Current (i)	a, b, c
100 V	Japan	1 kΩ	i ≦ 1 mA rms	Exposed accessible parts
110 to 130 V	USA & Canada	0.15 µF, 1.5 kΩ	i ≦ 0.5 mA rms	Exposed accessible parts
110 to 130 V 220 to 240 V	Europe & Australia	2 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Antenna earth terminals
		50 kΩ	i ≦ 0.7 mA peak i ≦ 2 mA dc	Other terminals

Table 2 Leakage current specifications for each region

Note: These tables are unofficial and for reference only. Be sure to confirm the precise values for your particular country and locality.

SECTION 1
DISASSEMBLY

1.1 BEFORE ASSEMBLY AND DISASSEMBLY

1.1.1 Precautions

1. Be sure to remove the power supply unit prior to mounting and soldering of parts.
2. When removing a component part that needs to disconnect the connector and to remove the screw for removing itself, first disconnect the connecting wire from the connector and then remove the screw beforehand.
3. When connecting and disconnecting the connectors, be careful not to damage the wire.
4. Carefully remove and handle the part to which some spacer or shield is attached for reinforcement or insulation.
5. When replacing chip parts (especially IC parts), desolder completely first (to prevent peeling of the pattern).
6. Tighten screws properly during the procedures.
   Unless specified otherwise, tighten screws at a torque of 0.078N•m(0.8kgf•cm).

1.1.2 Assembly and disassembly

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER(UNDER)	Fig.1-3-1	(S①)	—
②	COVER(SHOE)	Fig.1-3-2	2(S②),2(L②)	—
③	MIC COVER ASSY		(S③a),2(S③b)	—
	(1)	(2)	(3)	(4) (5)

(1) Indicate the disassembly steps. When assembling, perform in the reverse order of these steps. This number corresponds to the number in the disassembly diagram.

(2) Indicates the name of disassembly/assembly parts.

(3) Indicates the number in the disassembly diagram.

(4) Indicates parts and points such as screws, washers, springs which must be removed during disassembly/assembly.

Symbol	Name, Point
S	Screw
L	Lock, Pawl, Hook
SD	Soldering
CN	Connector

(Example)
- 2 (S①) : Remove the two screws (S①) for removing the part ①.
- CN ①a: Disconnect the connector ①a.
- SD ① : Unsolder at the point SD ①.

(5) Precautions on disassembly/assembly.

1.1.3 Destination of connectors

Note: *Three kinds of double-arrows in connection tables respectively show kinds of connector/wires.*
↔ : Wire
⇔ : Flat wire (FPC, FFC)
⬌ : Board to Board connector

[Example]

NOTE: *Remove the parts marked in* .

CONN. No.	CONNECTOR					Pin No.
CN④a	MAIN	CN112	⇔	SUB OPE UNIT	–	8
CN④b	MAIN	CN113	⇔	MONITOR	CN401	39/33

1.1.4 Disconnection of Connectors (Wires)

Connector

Pull both ends of the connector in the arrow direction, remove the lock and disconnect the flat wire.

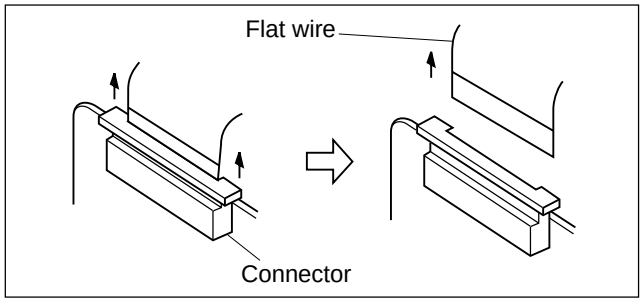


Fig. 1-1-1 Connector 1

Extend the locks in the direction of the arrow for unlocking and then pull out the wire. After removing the wire, immediately restore the locks to their original positions because the locks are apt to come off the connector.

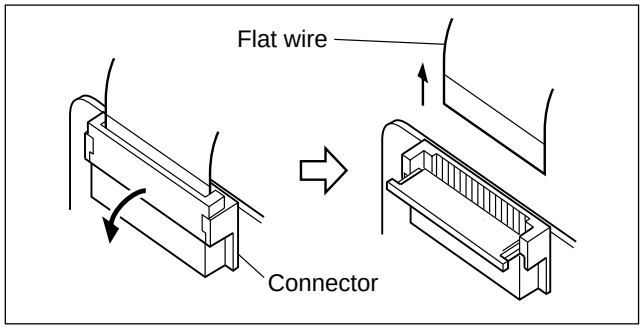


Fig. 1-1-2 Connector 2

B-B connector

Pull the board by both the sides in the direction of the arrow for disconnecting the B-B connector.

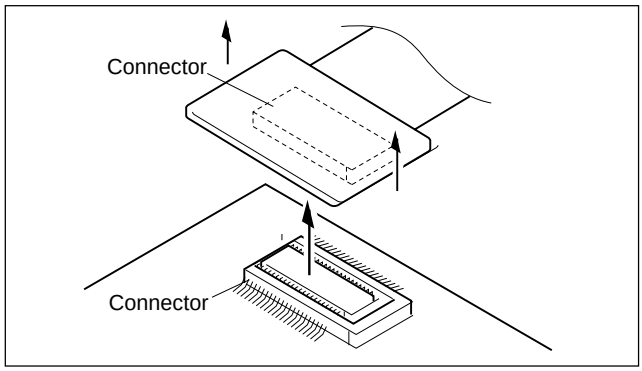


Fig. 1-1-3 Connector 3

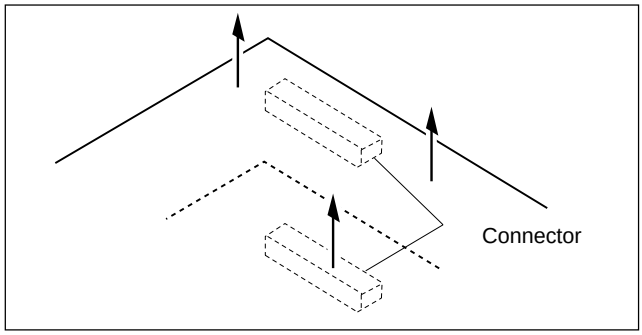


Fig. 1-1-4 Connector 4

1.2 JIGS AND TOOLS REQUIRED FOR DISASSEMBLY, ASSEMBLY AND ADJUSTMENT

1.2.1 Tools required for adjustments

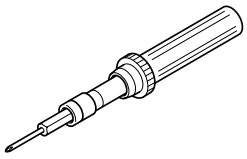
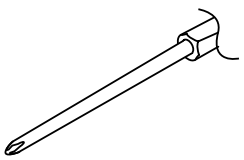
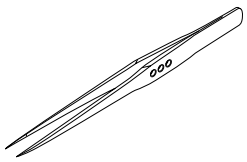
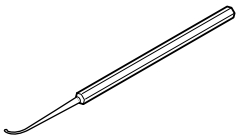
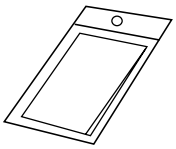
1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Tweezers P-895	4 Chip IC replacement jig PTS40844-2
	
5 Cleaning cloth KSMM-01	
	

Table 1-2-1

1. **Torque driver**
   Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.
2. **Bit**
   This bit is slightly longer than those set in conventional torque drivers.
3. **Tweezers**
   To be used for removing and installing parts and wires.
4. **Chip IC replacement jig**
   To be used for replacement of IC.
5. **Cleaning cloth**
   Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

1.3.1 Disassembly flow chart

This flowchart indicates the disassembly step for the cabinet parts and board assembly in order to gain access to item(s) to be serviced. When reassembling, perform the step(s) in reverse order.

①	COVER (UNDER)
②	COVER (SHOE)
③	MIC COVER ASSY
④	UPPER CASE ASSY (Inc.MONITOR ASSY)
⑤	MONITOR ASSY
⑥	SHUTTER ASSY
⑦	BOTTOM ASSY
⑧	LOWER CASE ASSY (Inc.MICROPHONE /E.VF UNIT /OP MDA BOARD ASSY/SHOE ASSY /OP BLOCK ASSY)
⑨	MAIN BOARD ASSY
⑩	MECHANISM ASSY
⑪	MICROPHONE
⑫	OP BLOCK ASSY
⑬	E. VF UNIT
⑭	OP MDA BOARD ASSY
⑮	SHOE ASSY

Table 1-3-1

1.3.2 Disassembly method

STEP No.	PART	Fig.No.	POINT	NOTE
①	COVER (UNDER)	Fig.1-3-1	(S①)	—
②	COVER (SHOE)	Fig.1-3-2	2(S②), 2(L②)	—
③	MIC COVER ASSY		(S③a), 2(S③b)	—
④	UPPER CASE ASSY (Inc.MONITOR ASSY)	Fig.1-3-3a	(SD CARD)	NOTE④a NOTE④b
		Fig.1-3-3b	(S④a), (S④b), 3(S④c), 2(S④d), 2(S④e), (S④f), CN ④a, CN④b	NOTE④c NOTE④d
⑤	MONITOR ASSY	Fig.1-3-4	2(S⑤a), GUIDE(MONI), 2(S⑤b)	NOTE⑤
⑥	SHUTTER ASSY	Fig.1-3-5	(S⑥)	NOTE⑥
⑦	BOTTOM ASSY	Fig.1-3-6	CN ⑦, 2(S ⑦a), 2(S⑦b), 3(S⑦c), (S⑦d)	NOTE⑦
⑧	LOWER CASE ASSY (Inc. MICROPHONE, E.VF UNIT, OP MDA BOARD ASSY,SHOE ASSY, OP BLOCK ASSY)	Fig.1-3-7	CN⑧a, CN⑧b, SHEET(SHUTTER), CN⑧c, CN⑧d, CN⑧e, 3(S⑧)	NOTE⑧
⑨	MAIN BOARD ASSY	Fig.1-3-8	SHEET(SHUTTER), 2(S⑨) (L⑨a), SHIELD ASSY, CN ⑨a, CN ⑨b, CN ⑨c, CN ⑨d, (L⑨b), CN ⑨e, CN ⑨f	—
⑩	MECHANISM ASSY		(S⑩a),BRACKET(PRE/REC), 3(S⑩b),BRACKET(MECHA) ASSY	
⑪	MICROPHONE	Fig.1-3-9a	—	NOTE⑪
⑫	OP BLOCK ASSY		(S⑫), 2(S⑭a)	NOET⑫
⑬	E.VF UNIT		(S⑬a), (S⑬b), CN⑬	NOTE⑬a NOTE⑬b NOTE⑬c
⑭	OP MDA BOARD ASSY	Fig.1-3-9b	2(S⑭b), CN⑫	NOTE⑭a NOTE⑭b
⑮	SHOE ASSY		CN⑮, 2(S⑮)	NOTE⑮

Table 1-3-2

NOTE: *Remove the parts marked in* .

CONN. No.	CONNECTOR					Pin No.
CN④a	MAIN	CN112	⇔	SUB OPE UNIT	-	8
CN④b	MAIN	CN113	⇔	MONITOR	CN401	39/33
CN⑦	MAIN	CN107	⬌	BOTTOM	CN301	50
CN⑧a	MAIN	CN110	⬌	OP MDA	CN201	80
CN⑧b	MAIN	CN111	⇔	CCD	-	20
CN⑧c	MAIN	CN109	⇔	ZOOM OPE UNIT	-	13
CN⑧d	MAIN	CN108	↔	EJECT SW	-	2
CN⑧e	MAIN	CN115	↔	MICROPHONE	-	4
CN⑨a	MAIN	CN102	⇔	LOADING MOTOR	-	6
CN⑨b	MAIN	CN103	⇔	ROTARY ENCODER	-	6
CN⑨c	MAIN	CN101	⇔	HEAD	-	8
CN⑨d	MAIN	CN106	⇔	SENSOR	-	16
CN⑨e	MAIN	CN105	⇔	CAPSTAN MOTOR	-	18
CN⑨f	MAIN	CN104	⇔	DRUM MOTOR	-	11
CN⑫	OP MDA	CN204	⇔	OP BLOCK ASSY	-	24
CN⑬	OP MDA	CN203	⇔	VF BL	CN7001	20
CN⑮	OP MDA	CN202	⇔	SHOE ASSY	-	16/13

Table 1-3-3

NOTE ④a: *If a card is installed, remove it in advance.*

NOTE ④b: *Be careful not to damage the battery removal switch. When disassembling, ensure that the lock lever is in the low position and set the battery removal switch only to the up position.*

NOTE ④c: *A screw (14) is located inside the Cover (MULTI/USB).*

NOTE ④d: *Slide down the shutter and remove the screw (15).*

NOTE ⑤: *Refer to Sec. 1.4 for the disassembly method.*

NOTE ⑥: *Be careful not to damage or lose the parts.*

NOTE ⑦: *Take care of the removed screws.*

NOTE ⑧: *For the disassembly/assembly of the E. VF UNIT, SHOE ASSY, OP MDA BOARD ASSY, and OP BLOCK ASSY, see Sec. 1.5 for the disassembly method.*

NOTE ⑪: *Leave the MICROPHONE connected to the OP BLOCK ASSY.*

NOTE ⑫: *Refer to Sec. 1.6 for the disassembly method.*

NOTE ⑬a: *Be careful not to cut the FPC wire or damage any of the switches during work.*

NOTE ⑬b: *Refer to Sec. 1.7 for the disassembly method.*

NOTE ⑭a: *Be careful not to lose the parts.*

NOTE ⑫, ⑬c, ⑭b, ⑮ :
When assembling, attach the OP BLOCK ASSY, E.VF UNIT and the SHOE ASSY on the OP MDA BOARD ASSY and install them together in the LOWER CASE ASSY.

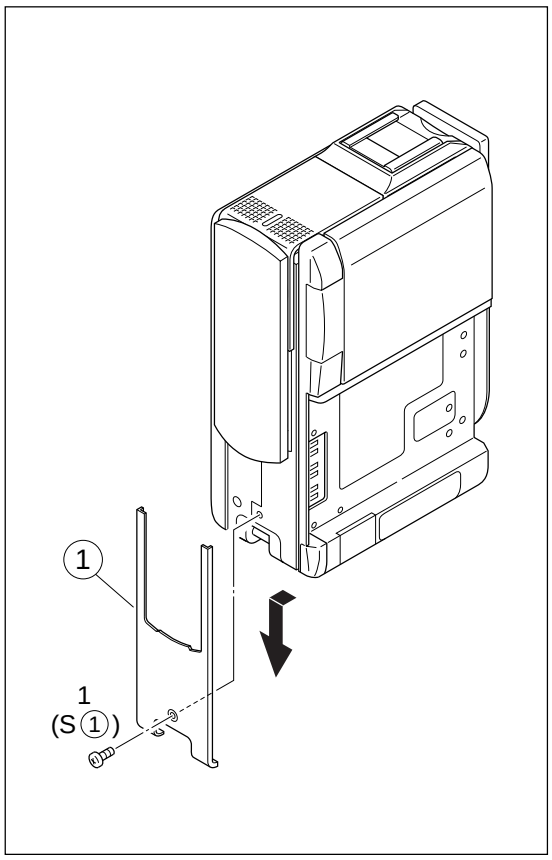


Fig. 1-3-1

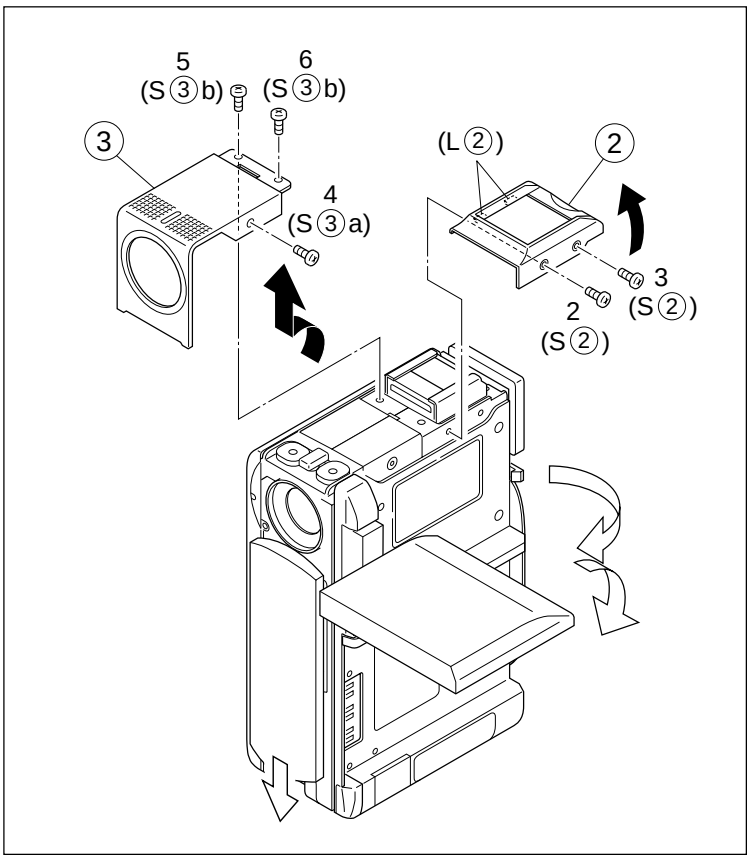


Fig. 1-3-2

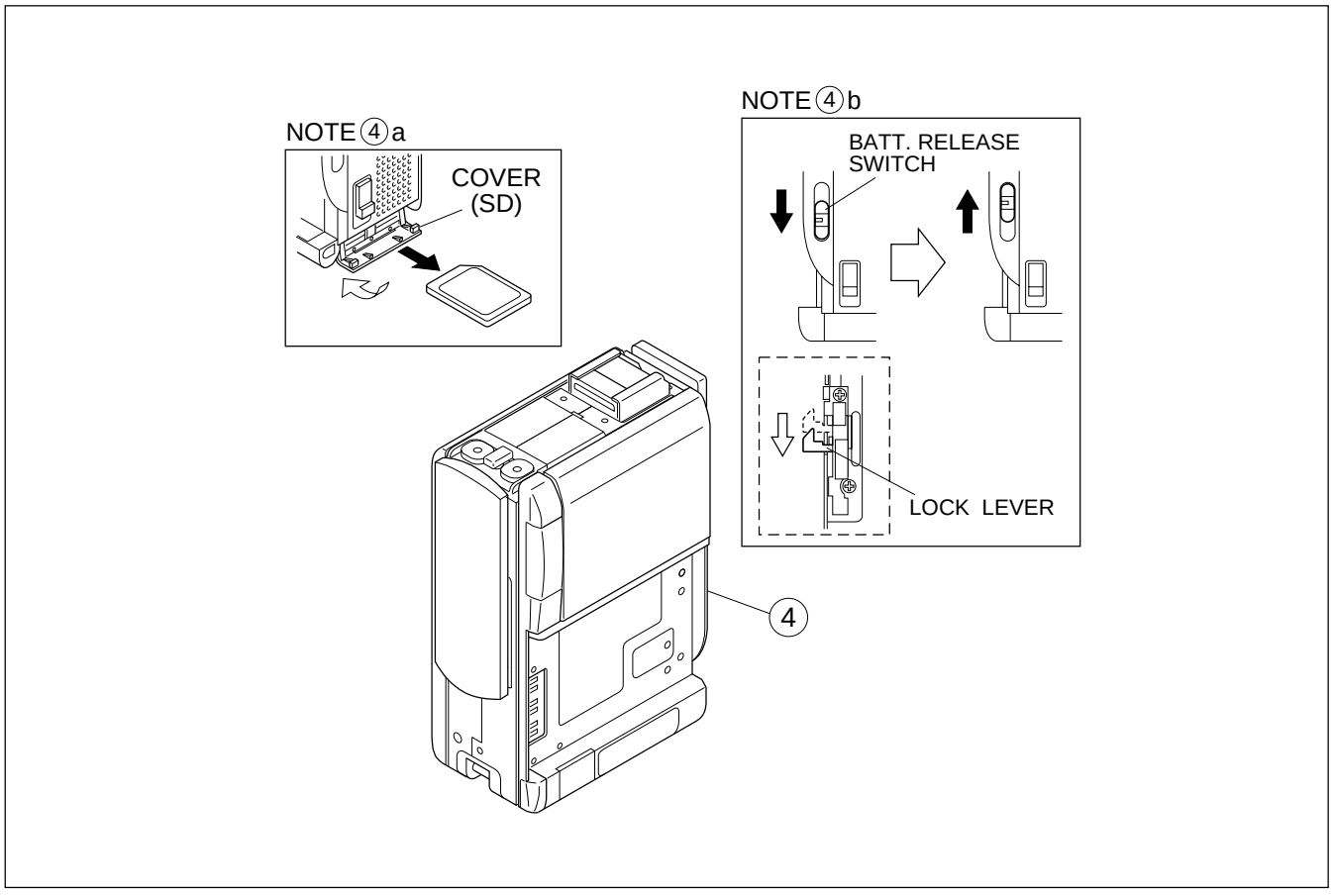


Fig. 1-3-3a

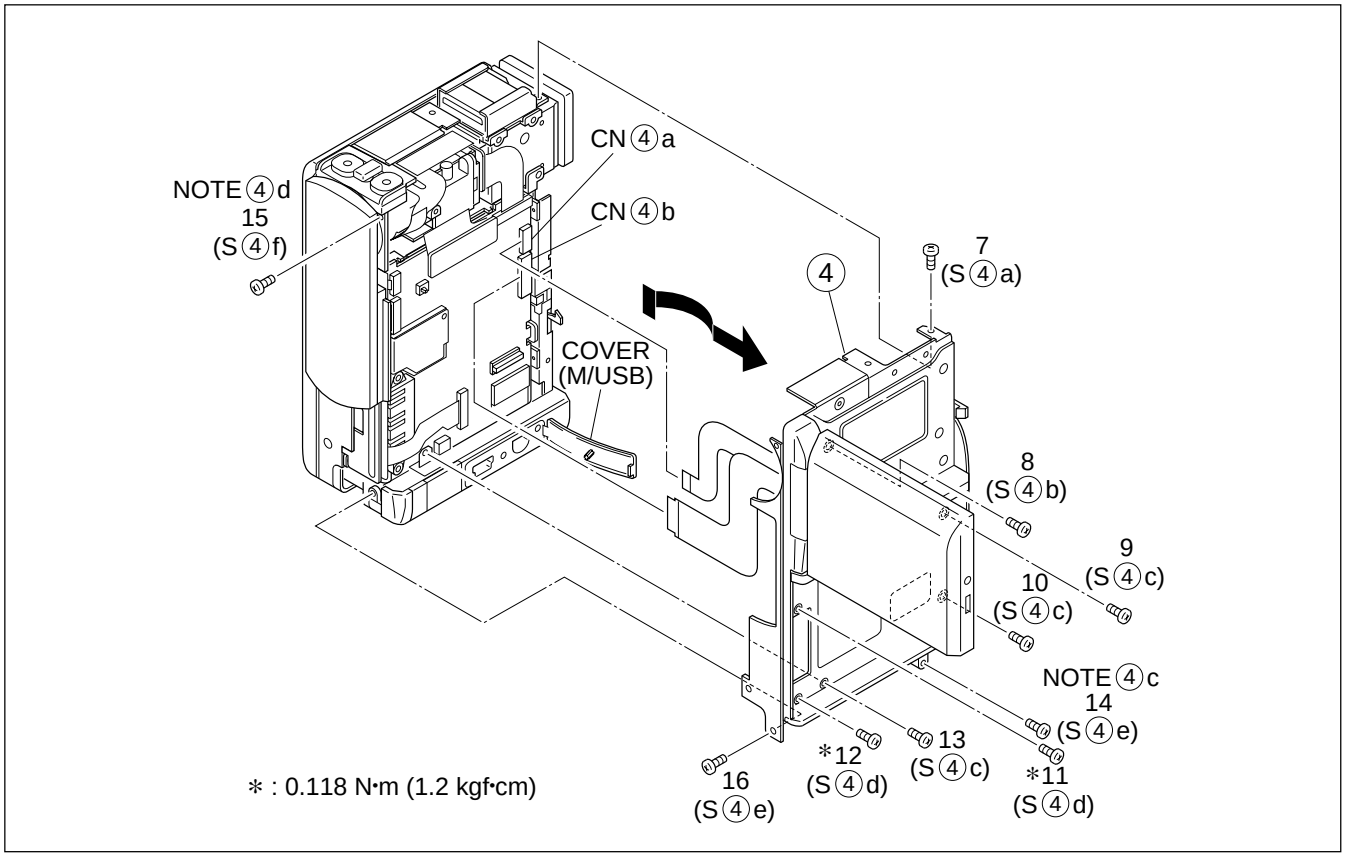


Fig. 1-3-3b

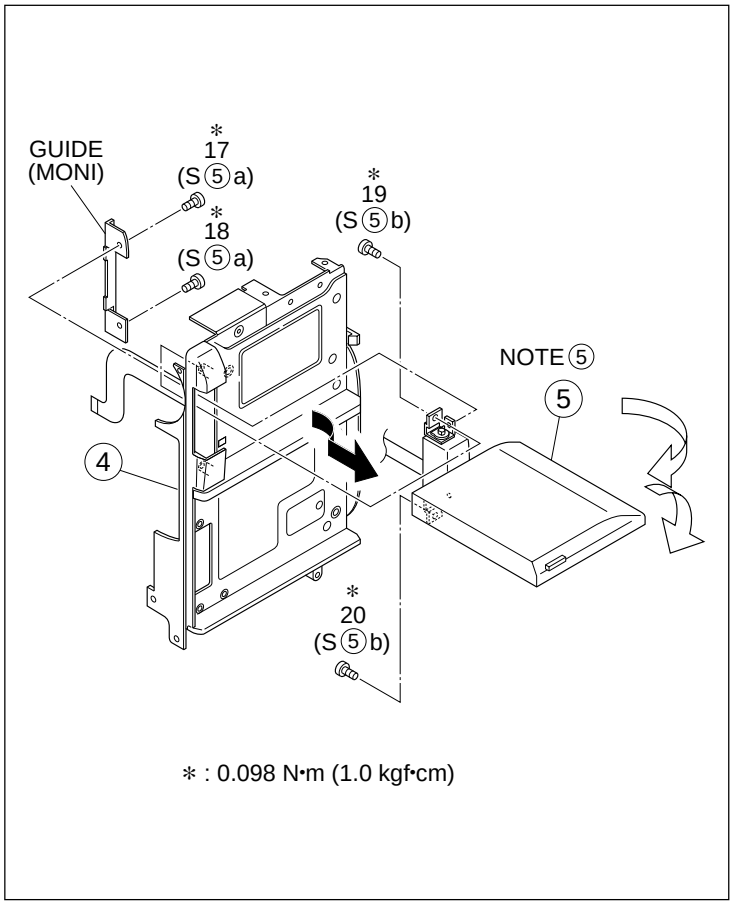


Fig. 1-3-4

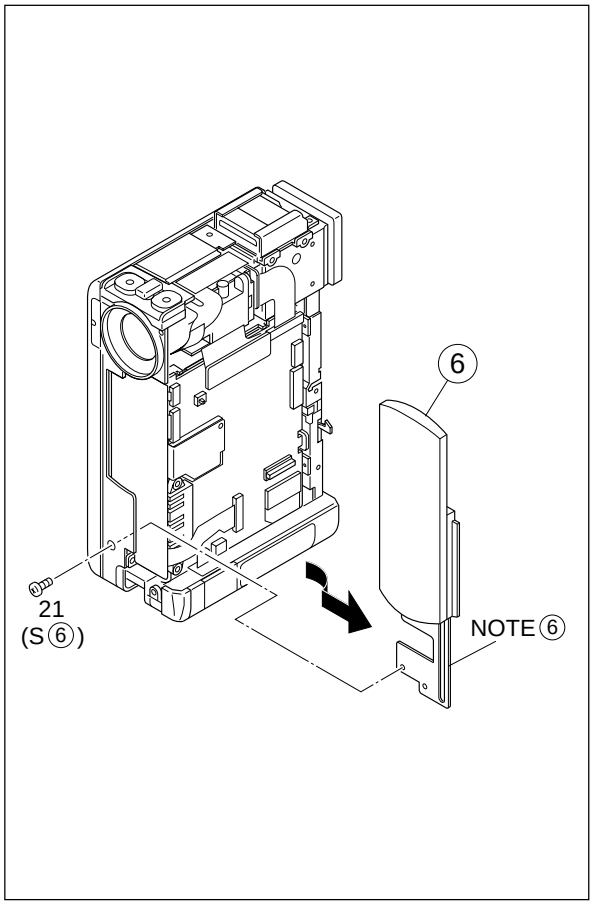


Fig. 1-3-5

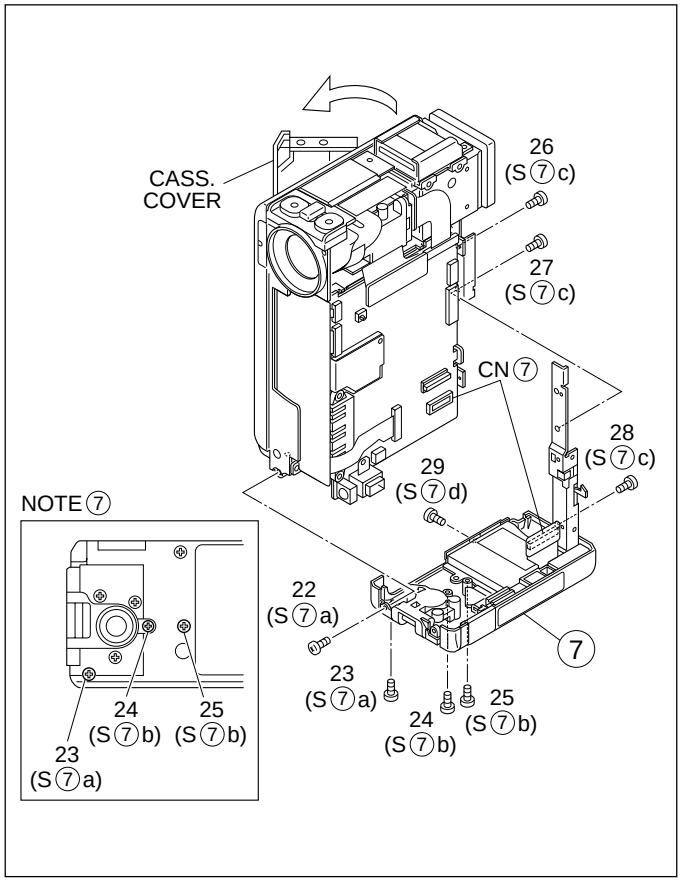


Fig. 1-3-6

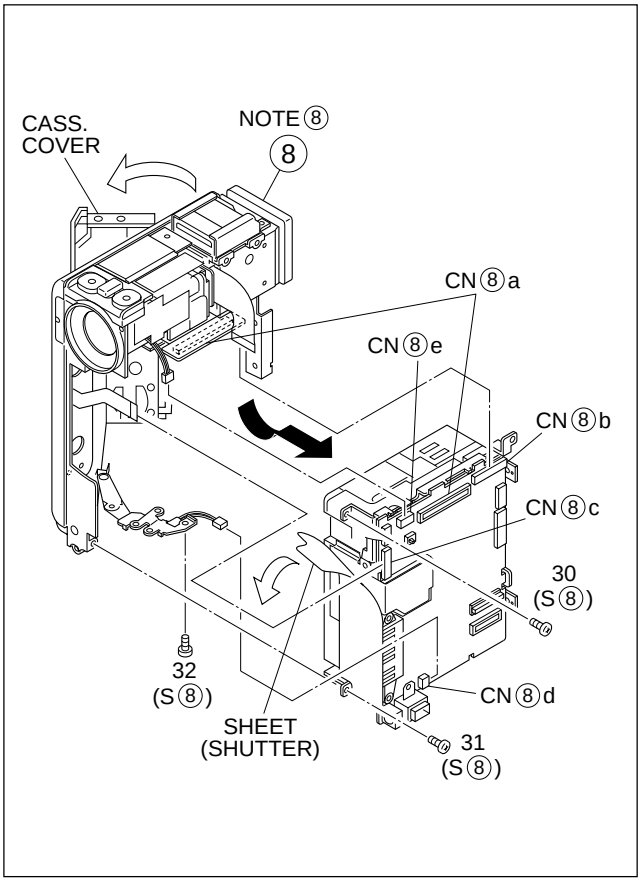


Fig. 1-3-7

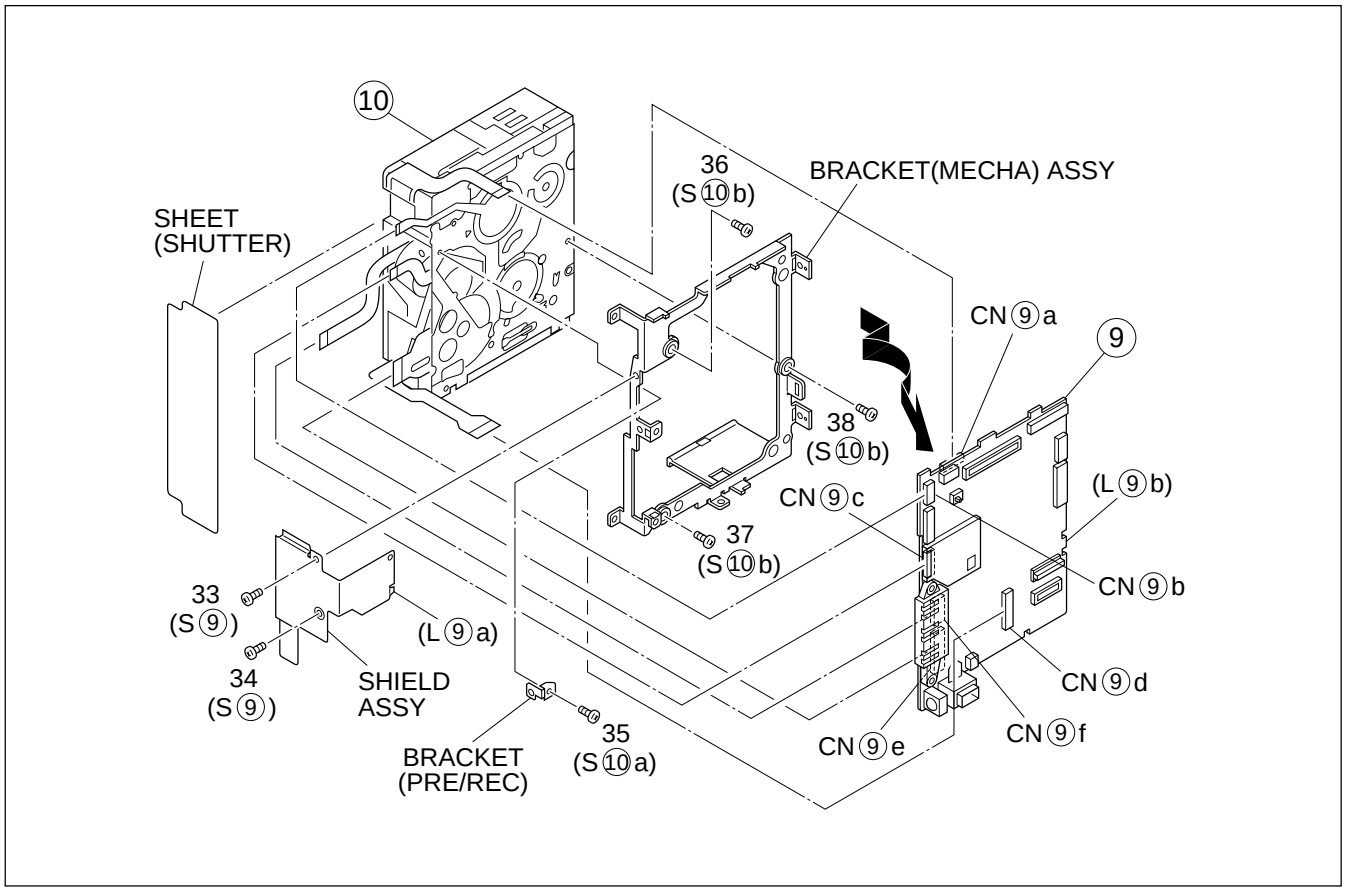


Fig. 1-3-8

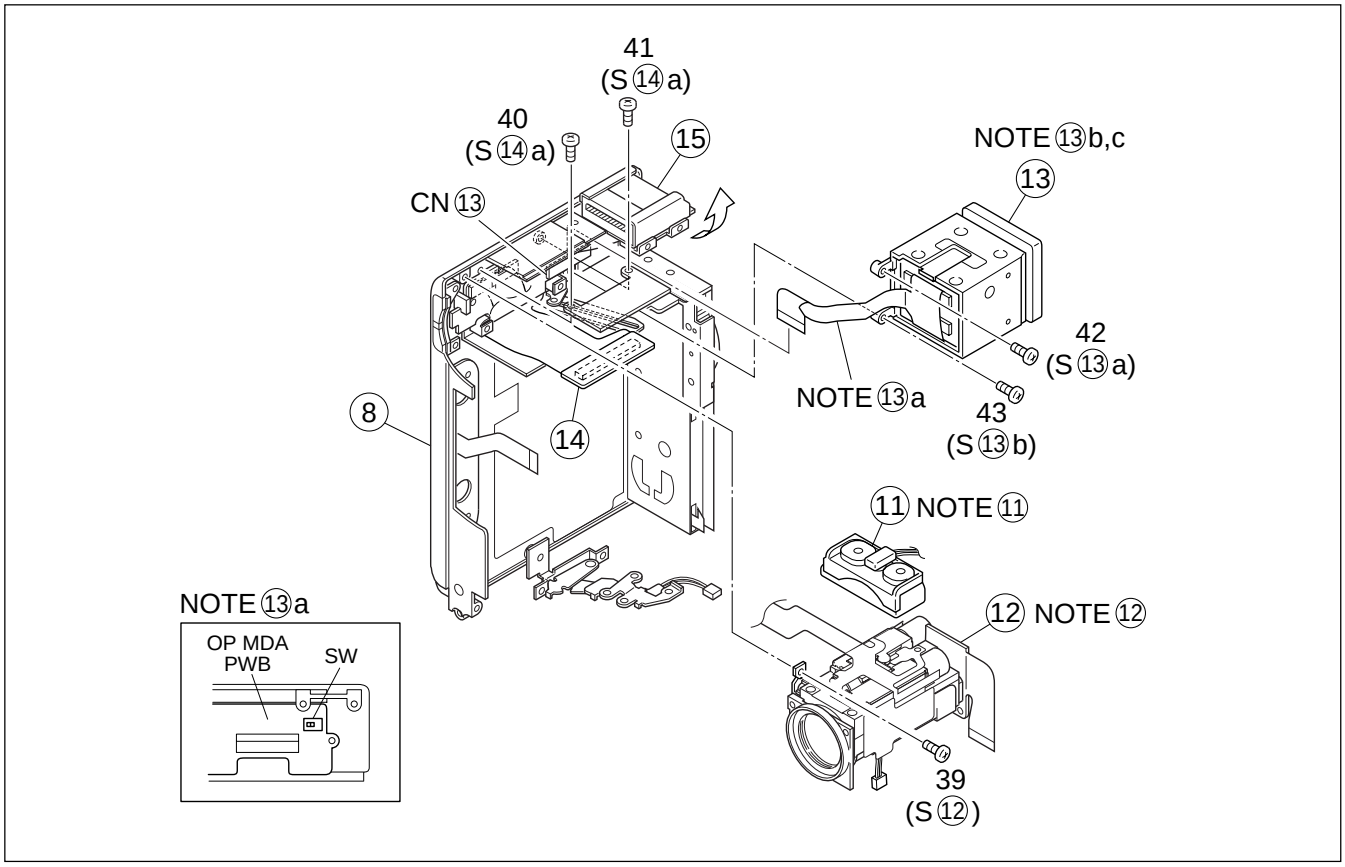


Fig. 1-3-9a

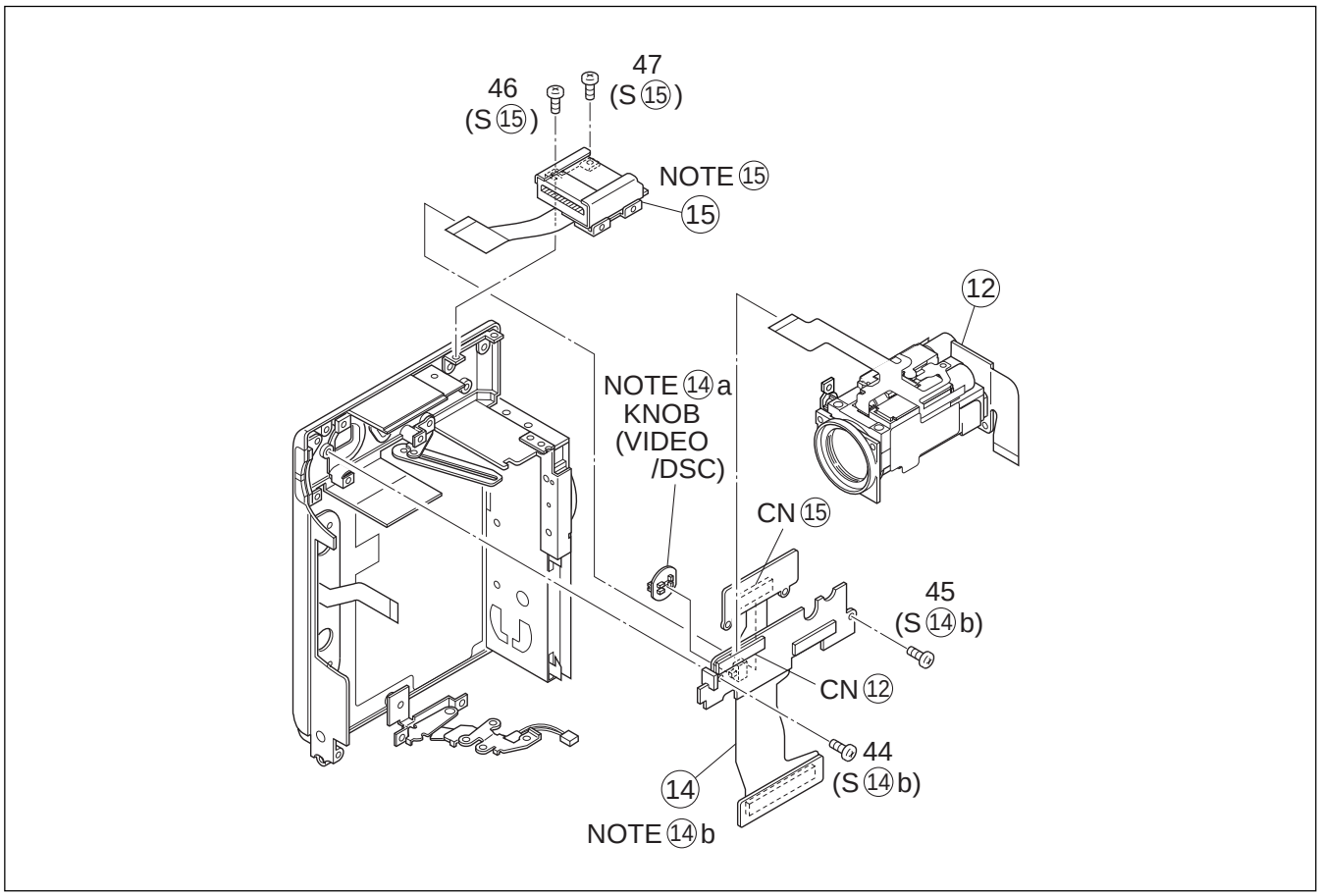


Fig. 1-3-9b

1.4 DISASSEMBLY/ASSEMBLY OF ⑤ MONITOR ASSY

1.4.1 ⑤ MONITOR ASSY/HINGE ASSY

1. Remove the three screws (1 to 3) and then remove the monitor cover by disengaging the two hooks (L⑤a, L⑤b) at the top and bottom.

NOTE⑤a: *Be careful not to lose part (Rib).*

2. Pull out the part (sensor) from the MONITOR CASE ASSY.
3. Release the lock of the connector CN⑤a. Disengage the two hooks (L⑤c, L⑤d) to remove the HINGE ASSY from MONITOR CASE ASSY, then remove the FPC from the HINGE ASSY.

NOTE⑤b: *When removing the parts out of the MONITOR CASE ASSY, be very careful not to damage the FPC and parts.*

4. Take out the LCD MODULE, BACK LIGHT and MONITOR BOARD ASSY from the MONITOR CASE ASSY. Be careful with the hooks (L⑤e, L⑤f) on the two sides. Disconnect the FPC ASSY from the connector (CN⑤b) and remove the LCD MODULE. Be careful with the hooks (L⑤g ,L⑤h) on the two sides.

1.4.2 HINGE ASSY

1. Remove the two screws (4,5) to take out the FPC ASSY while removing the HINGE COVER (L).

NOTE⑤c: *Be careful not to lose any part during the above-mentioned process.*

2. Remove the HINGE COVER (U) from HINGE ASSY.
3. Remove the FPC ASSY from the HINGE ASSY.

NOTE⑤d: *Be careful not to lose any part during the abobe mentioned process.*

NOTE⑤e: *When reassembling, wind the FPC ASSY around the HINGE ASSY by three turns and a half. Be careful not to break the FPC wire during the work.*

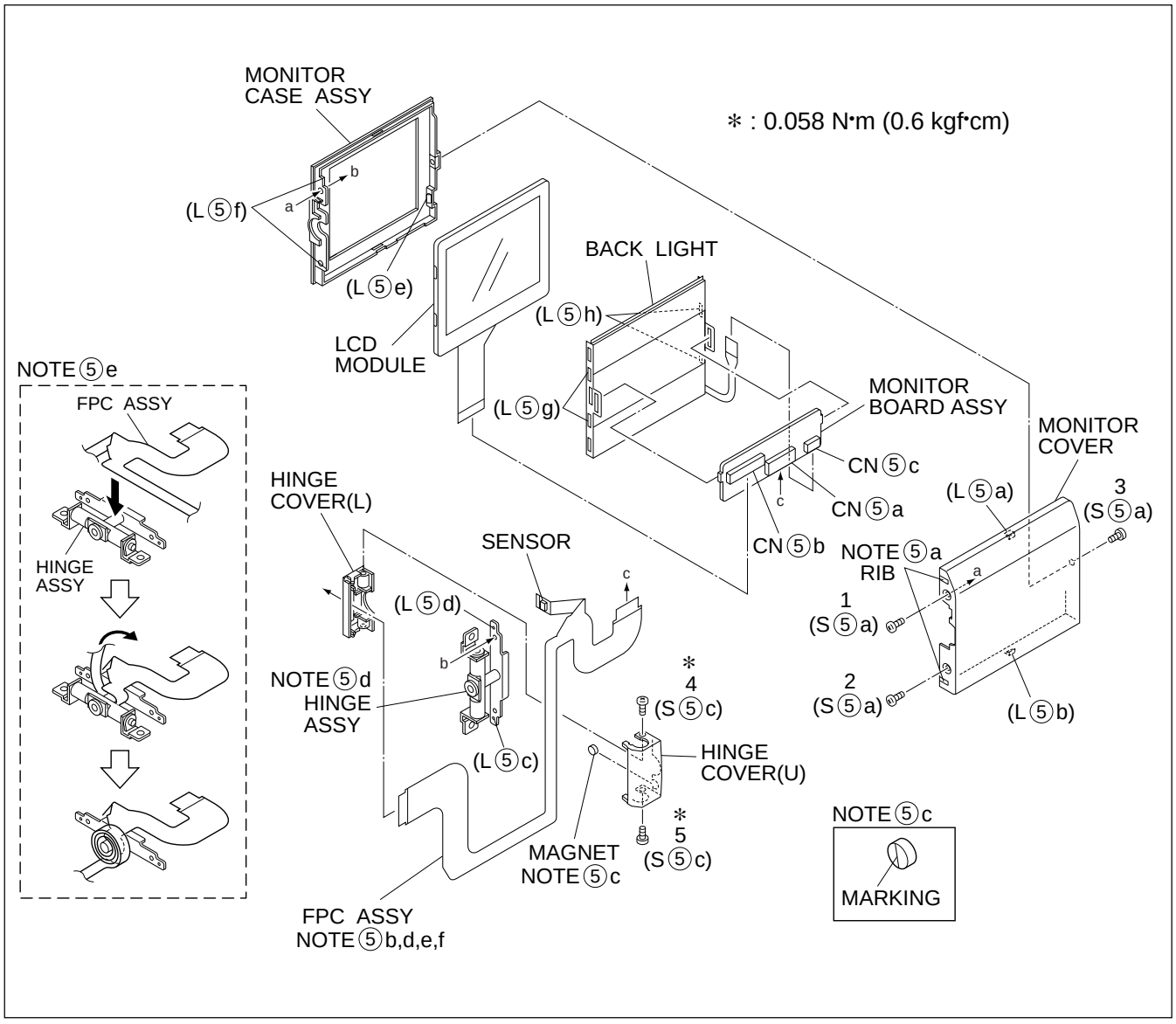


Fig. 1-4-1

1.5 DISASSEMBLY/ASSEMBLY OF ⑧ LOWER CASE ASSY

When performing disassembly/assembly work to this model, the parts that are most complicated and require special attention are the E. VF UNIT and the OP MDA BOARD ASSY, OP BLOCK ASSY and SHOE ASSY, all of which are mounted inside the LOWER CASE ASSY.
Care should be taken in handling these parts as they are mounted inside the LOWER CASE ASSY (except the E.VF UNIT) and there is a lack of adequate space to work conveniently. This section gives further details regarding the disassembly procedures, although they have been described in previous sections.

1. See Fig. 1-5-1.

(1) While moving the ⑪ MICROPHONE out of way, remove the screw (39) and take out the ⑫ OP BLOCK ASSY.

(2) Remove two screws (40, 41) and open the ⑭ OP MDA BOARD ASSY.

(3) Remove two screws (42, 43) to disconnect the connector (CN203), then take out the FPC to remove the ⑬ E. VF UNIT.

NOTE ⑬a **:** *Be careful not to damage the FPC or the switches when carrying out this work.*

2. See Fig. 1-5-2.

(1) Remove the two screws (44, 45) in order to free the ⑭ OP MDA board assembly.

(2) Remove the two screws (46, 47) and take out the ⑭ OP MDA BOARD ASSY together with the ⑫ OP BLOCK ASSY and the ⑮ SHOE ASSY.

NOTE⑫: *Be careful not to lose the KNOB(VIDEO/DSC), which may slip out during the disassembly.*

(3) Disconnect the FPCs from the connectors on the ⑫ OP BLOCK ASSY and the ⑮ SHOE ASSY.

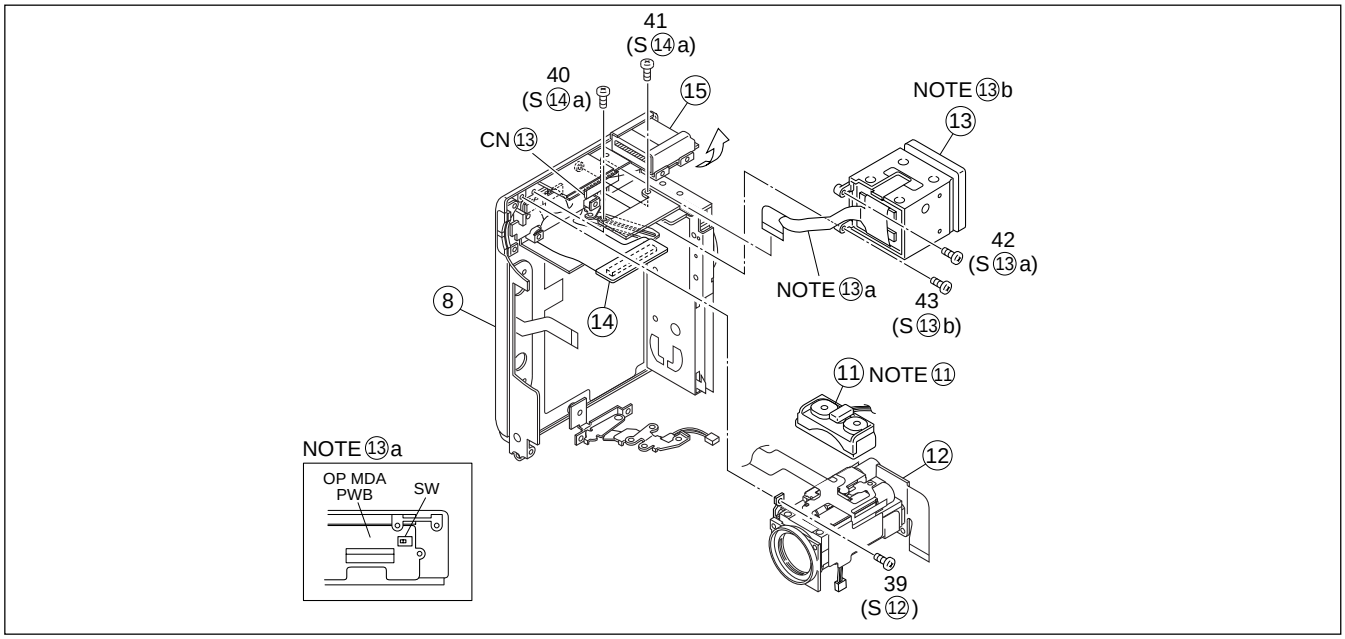


Fig. 1-5-1

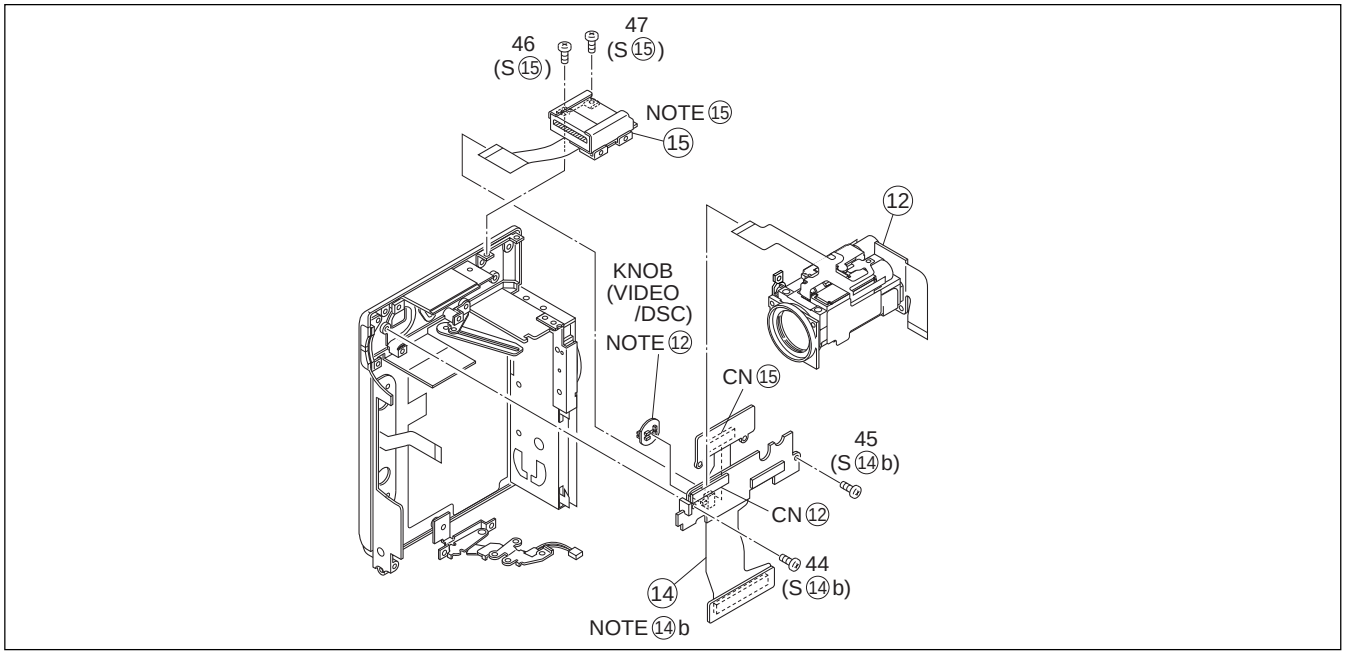


Fig. 1-5-2

1.6 DISASSEMBLY/ASSEMBLY OF ⑫ OP BLOCK ASSY (CCD BOARD ASSY)

1.6.1 Precautions

1. Carefully handle the CCD IMAGE SENSOR, OP LPF, LENS, etc. during the disassembly work. Pay the most careful attention to the surface of those parts not to get it soiled, scratched or dusty. If some of those surfaces gets soiled with fingerprints, etc., wipe it out with silicone paper, clean chamois, cleaning cloth or the like.
2. The new CCD IMAGE SENSOR is occasionally shipped from the factory as a protection seal is applied onto its transparent glass. If so, leave the protection seal as it is and remove it just before installing the CCD IMAGE SENSOR in the OP BLOCK ASSY.
3. The orientation of the OP LPF is an important factor for installation. If there some marking on the OP LPF, be sure to note it down before removing and to reassemble it very carefully as it was referring to the marking.

1.6.2 Disassembly method

1. Unsolder at the 14 points (SD⑫) and remove the CCD BOARD ASSY.
2. Remove the two screws (1, 2) and then remove the CCD BASE ASSY.

NOTE⑫a: *Carefully remove the CCD BASE ASSY, because the SPACE RUBBER and OP LPF may be removed together with the CCD IMAGE SENSOR.*

NOTE⑫b: *When replacing the CCD IMAGE SENSOR, don't replace it individually but replace the CCD BASE ASSY in whole with a new one.*

1.6.3 Assembly method

1. Install the OP LPF with the ⑫ OP BLOCK ASSY.
2. With the SPACER RUBBER left attached to the CCD BASE ASSY, install the assembly in the OP BLOCK ASSY and clamp it using the two screws (1, 2).
3. Set the CCD BOARD ASSY in the CCD BASE ASSY, and fasten it by soldering at the 14 points (SD⑫).

1.6.4 Replacement of service parts

Service parts to be supplied for the OP BLOCK ASSY are as follows.
When replacing a part, be very careful not to get the FPC wire broken or damaged by soldering (overheating).

1. FOCUS MOTOR
2. ZOOM MOTOR
3. IRIS MOTOR UNIT

NOTE⑫c: *When soldering the FPC wire of the FOCUS MOTOR or ZOOM MOTOR during the replacement work, be sure to keep the tip of a soldering iron approximately 1 mm above the terminal.*

NOTE⑫d: *The IRIS MOTOR UNIT includes one FPC ASSY and two sensors.*

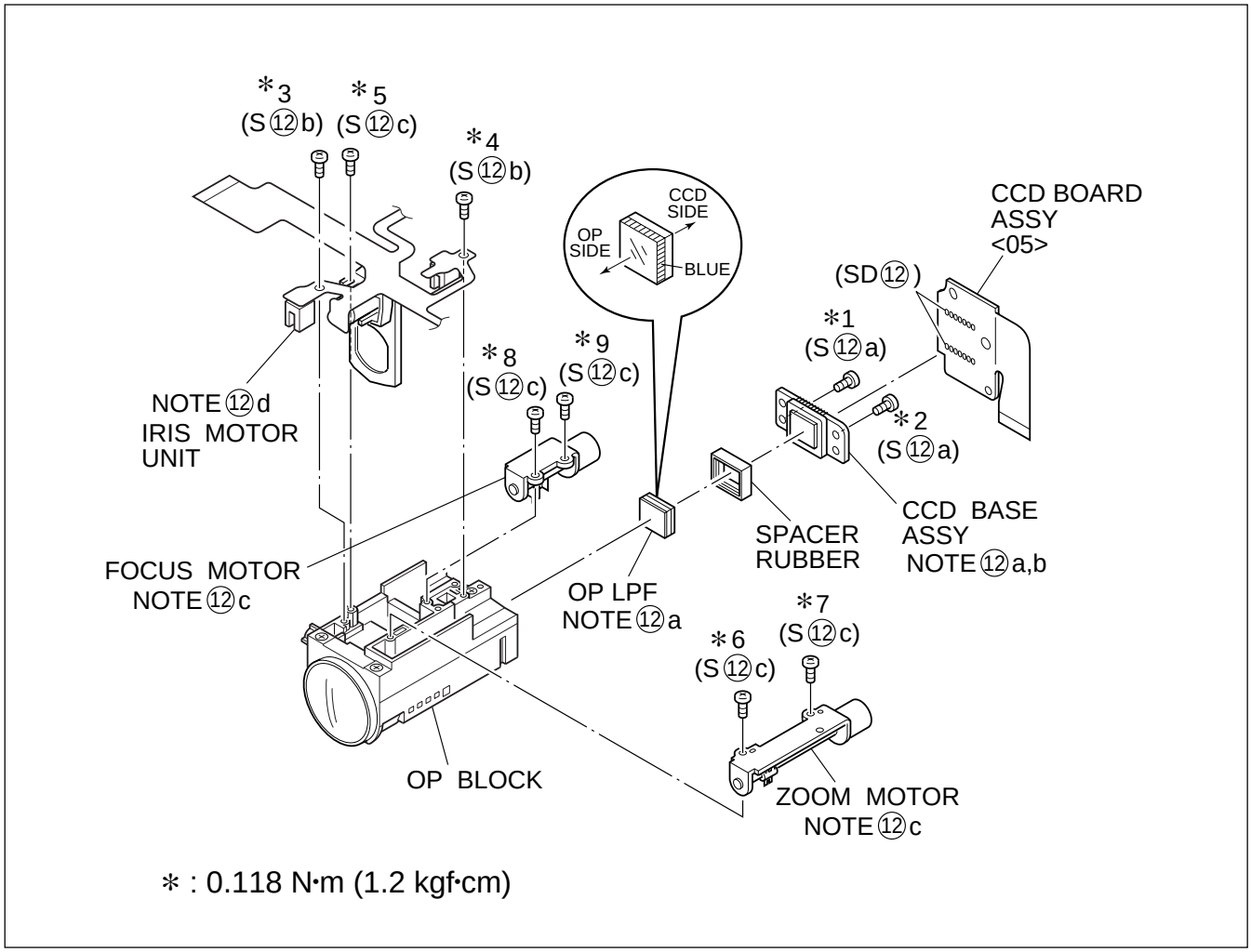


Fig. 1-6-1

1.7 DISASSEMBLY OF ⑬ E. VF UNIT

1.7.1 ⑬E. VF UNIT

NOTE⑬a: *When disassembling the E. VF UNIT, remove the FRAME (VF) from the CASE ASSY depending on the situation.*

NOTE⑬b: *Be very careful not to get the inside of the VF soiled or dusty during and after disassembling the E. VF UNIT.*

1. Draw the FRAME (VF) out of the CASE ASSY.
2. Remove the EYECUP and pull out the GUIDE (VF).

<CASE ASSY>

3. While holding the GUIDE (VF), pull out the CASE ASSY, remove the two screws (1, 2) and remove the CAP (VF).
4. Remove the three screws (3-5) and draw out the EYE PIECE SUB ASSY.

NOTE⑬c: *A LENS ASSY and a LEVER are mounted on the EYE PIECE SUB ASSY. When removing this assembly, be careful not to damage them.*

5. Draw out the GUIDE(VF).

<FRAME (VF)>

6. Remove the screw (6) first and then LCD MODULE/ HOLDER (LCD).
7. Get the two hooks (L⑬a, L⑬b) disengaged and then remove the HOLDER (LCD).

NOTE⑬d: *Carefully proceed with the above-mentioned work not to damage any part.*

8. Disconnect the connector (CN⑬b) and remove the LCD MODULE.

NOTE⑬e: *Pay heed the parts not to damage any thing.*

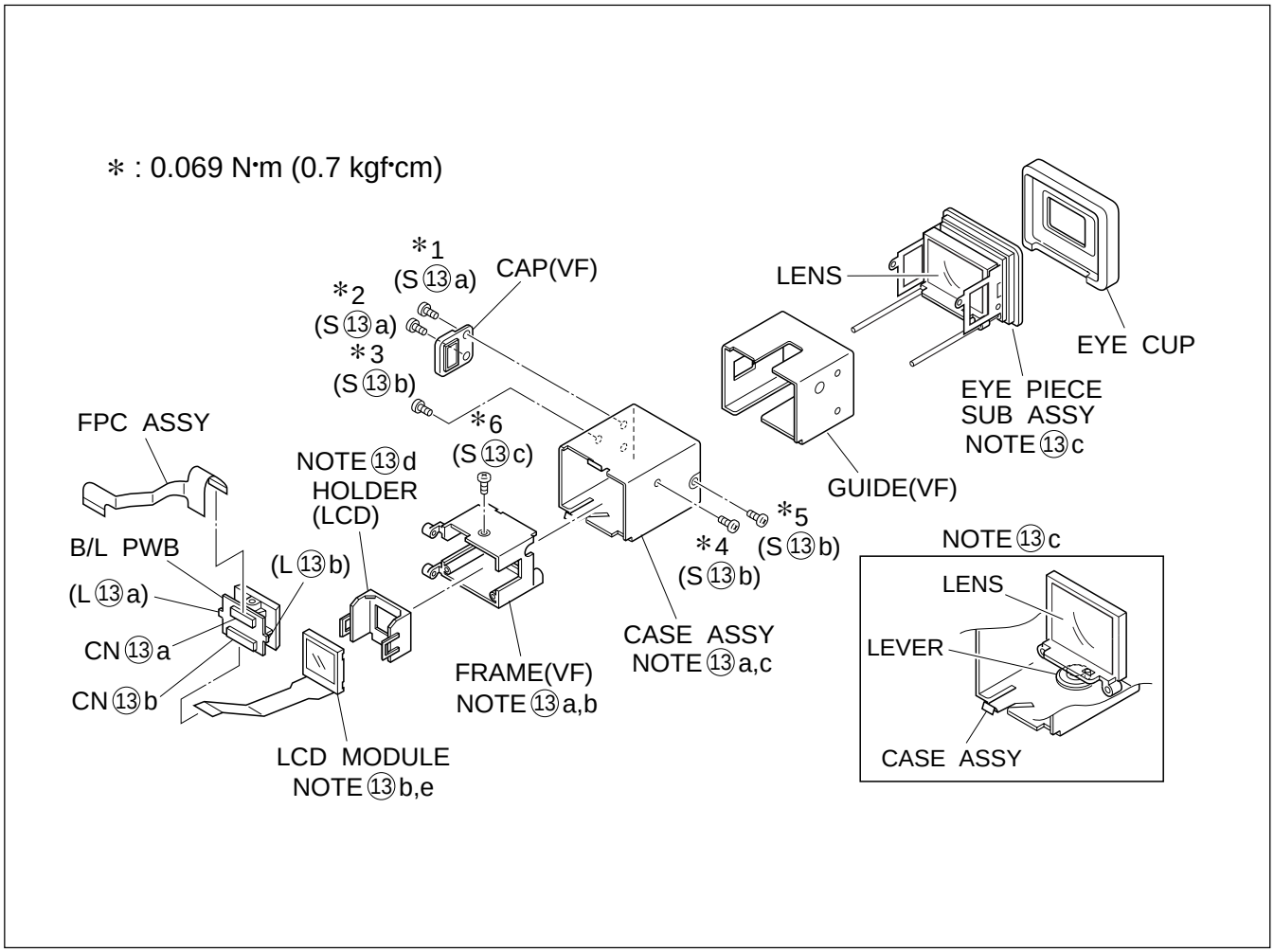


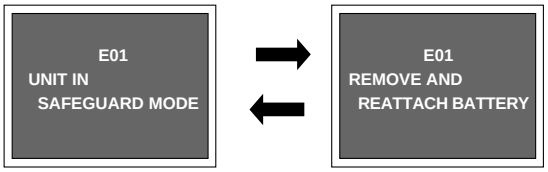
Fig. 1-7-1

1.8 EMERGENCY DISPLAY

Whenever some abnormal signal is input to the syscon CPU, an error number (E01, as an example) is displayed on the LCD monitor or (in the electronic view finder).
In every error status, such the message as shown below alternately appear over and over.

- In an emergency mode, all operations except turning on/off the POWER switch are ineffectual.

Example (in case of the error number E01):



LCD display	Emergency mode	Details	Possible cause
E01	LOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the loading direction for 4 seconds or more. This error is defined as [E01].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift. 3. No power is supplied to the loading MDA.
E02	UNLOADING	In the case the encoder position is not shifted to the next point though the loading motor has rotated in the unloading direction for 4 seconds or more. This error is defined as [E02].	1. The mechanism is locked during mode shift. 2. The mechanism is locked at the mechanism loading end, because the encoder position is skipped during mechanism mode shift.
E03	TU & SUP REEL FG	In the case no REEL FG is produced for 4 seconds or more in the capstan rotation mode after loading was complete, the mechanism mode is shifted to STOP with the pinch roller set off. This error is defined as [E03]. However, no REEL EMG is detected in the SLOW/STILL mode.	1. The idler gear does not engage with the reel disk well. 2. Though the idler gear and reel disk are engaged with each other, the tape is not wound because of overload to the mechanism. 3. No FG pulse is output from the reel sensor. 4. No power is supplied to the reel sensor. 5. Tape transport operation takes place with a cassette having no tape inside. 6. The tape slackens and no pulse is produced until the slack is taken up and the tape comes into the normal status.
E04	DRUM FG	In the case there is no DRUM FG input in the drum rotation mode for 4 seconds or more. This error is defined as [E04], and the mechanism mode is shifted to STOP with the pinch roller set off.	1. The drum cannot be started or drum rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. 2) The tape is damaged or soiled with grease, etc. 2. The DRUM FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the DRUM FG pulse generator (hall element). 3. No drum control voltage is supplied to the MDA. 4. No power is supplied to the DRUM MDA.
E05	–	–	–
E06	CAPSTAN FG	In the case no CAPSTAN FG is produced in the capstan rotation mode for 2 seconds or more. This error is defined as [E06], and the mechanism mode is shifted to STOP with the pinch roller set off. However, no CAPSTAN EMG is detected in the STILL/FF/REW mode.	1. The CAPSTAN FG signal is not received by the syscon CPU. 1) Disconnection in the middle of the signal line. 2) Failure of the CAPSTAN FG pulse generator (MR element). 2. No capstan control voltage is supplied to the MDA. 3. No power is supplied to the CAPSTAN MDA. 4. The capstan cannot be started or capstan rotation is stopped because tape transport load is too high. 1) Tape tension is extremely high. (Mechanical locking) 2) The tape is damaged or soiled with grease, etc. (Tape tangling occurs, etc.)

(DVC_03)

Table 1-8-1

Use the following chart to manage CABINET PARTS AND BOARD ASSY that are removed for screws.

1.3 DISASSEMBLY/ASSEMBLY OF CABINET PARTS AND BOARD ASSEMBLY

Symbol No. →	①	②	③			④										⑤				⑥
Removing order of screw →	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21
Place to stick screw →					✻	✻		✻									✻	✻	✻	✻	
Reference drawing →	Fig.1-3-1	Fig.1-3-2					Fig.1-3-3b										Fig.1-3-4				Fig.1-3-5
Screw tightening torque →	I										II		I				III				I

Symbol No. →	⑦								⑧			⑨		⑩				⑪ / ⑫			⑬		⑭		⑮	
Removing order of screw →	22	23	24	25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47
Place to stick screw →																							✻	✻	✻	✻
Reference drawing →	Fig.1-3-6								Fig.1-3-7			Fig.1-3-8						Fig.1-3-9a					Fig.1-3-9b			
Screw tightening torque →	I																									

1.4 DISASSEMBLY/ASSEMBLY OF ⑤ MONITOR ASSY

Symbol No. →	⑤				
Removing order of screw →	1	2	3	4	5
Place to stick screw →	✻	✻	✻		
Reference drawing →	Fig.1-4-1				
Screw tightening torque →	I			V	

1.7 DISASSEMBLY/ASSEMBLY OF ⑬ E. VF UNIT

Symbol No. →	⑬					
Removing order of screw →	1	2	3	4	5	6
Place to stick screw →						
Reference drawing →	Fig.1-7-1					
Screw tightening torque →	IV					

1.6 DISASSEMBLY/ASSEMBLY OF ⑫ OP BLOCK ASSY (CCD BOARD ASSY)

Symbol No. →	⑫								
Removing order of screw →	1	2	3	4	5	6	7	8	9
Place to stick screw →									
Reference drawing →	Fig.1-6-1								
Screw tightening torque →	II								

< NOTE >

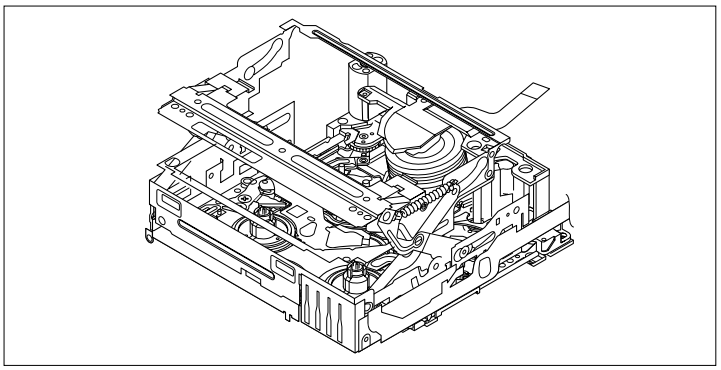
1) ✻ : Don't reuse the screw, because screw lock bond was applied to them.
2) Pay careful attention to tightening torque for each screw.

I : 0.078N·m (0.8kgf·cm) II : 0.118N·m (1.2kgf·cm) III : 0.098N·m (1.0kgf·cm)
IV : 0.069N·m (0.7kgf·cm) V : 0.058N·m (0.6kgf·cm)

Table 1-9-1

SECTION 2
MECHANISM

For disassembling and assembling of MECHANISM ASSEMBLY, refer to the SERVICE MANUAL No.86700(MECHANISM ASSEMBLY).



MECHANISM ASSEMBLY

SECTION 3
ADJUSTMENT

3.1 PRECAUTION

3.1.1 Precaution

Both the camera and deck sections of this model needs a personal computer for adjustment except simple adjustment with potentiometers. If some of the following parts is replaced for repair or other reason, the repaired set must be adjusted with a personal computer.

- OP block
- E^2PROM (IC1003 of MAIN board)

In the event of malfunction with electrical circuits, trouble-shooting with the aid of proper test instruments most be done first, and then commence necessary repair, replacement and adjustment, etc.

1. In case of wiring to chip test points for measurement, use IC clips, etc. to avoid any stress.
2. Since connectors are fragile, carefully handle them in disconnecting and connecting.
3. Shortcircuit between operation unit and DECK chassis.

3.1.2 Required test equipment

1. Color TV monitor
2. AC power adapter/charger
3. Oscilloscope (dual-trace type, observable 100 MHz or higher frequency)

Note : *It is recommended to use one observable 300 MHz or higher frequency.*

4. Digital voltmeter
5. Frequency counter (with threshold level adjuster)
6. Personal computer

3.1.3 Tools required for adjustments

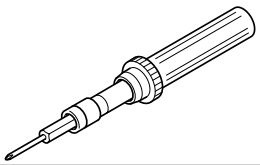
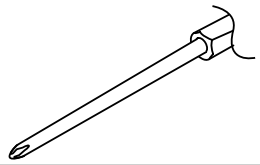
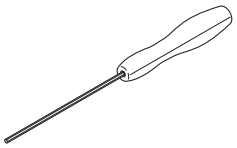
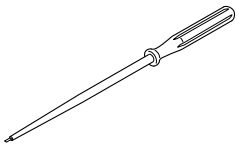
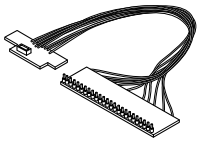
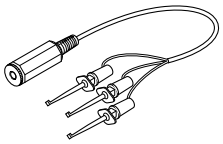
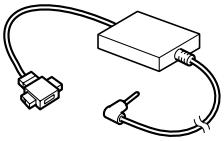
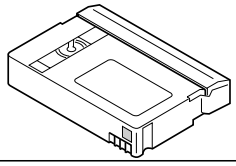
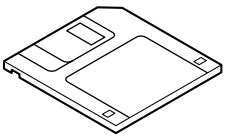
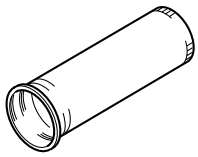
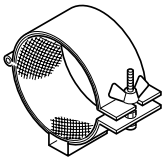
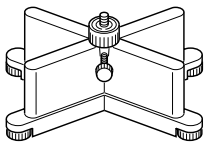
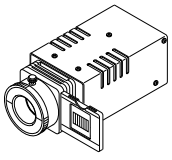
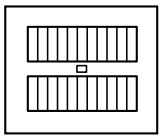
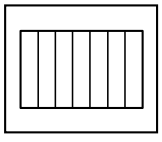
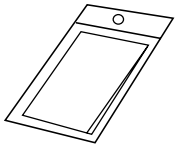
1 Torque driver YTU94088	2 Bit YTU94088-003
	
3 Guide driver (Hexagonal) D-770-1.27	4 Adjustment driver YTU94028
	
5 Jig connector cable YTU93106C	6 Communication cable YTU93107A
	
7 PC cable QAM0099-005	8 Alignment tape MC-1
	
9 Service support system YTU94057-66	10 INF adjustment lens YTU92001B
	
11 INF adjustment lens holder YTU94087	12 Camera stand YTU93079
	
13 Light box assembly YTU93096A	14 Gray scale chart YTU94133A
	
15 Color bar chart YTU94133C	16 Cleaning cloth KSMM-01
	

Table 3-1-1

1. Torque driver
Be sure to use to fastening the mechanism and exterior parts because those parts must strictly be controlled for tightening torque.

2. Bit
This bit is slightly longer than those set in conventional torque drivers.

3. Guide driver
To be used to turn the guide roller to adjustment of the linearity of playback envelope.

4. Adjustment driver
To be used for adjustment.

5. Jig connector cable
To be connected to the Jig connector jack of the main board and used for measurement and adjustment.

MAIN CN114			JIG CONN. BOARD (PIN NO.)	
VF_RPD	40		40	VF_RPD
CVF_G		20	39	CVF_R
CVF_R	39		38	VF_COM
CVF_B		19	37	MT_G
VF_COM	38		36	MT_B
MT_RPD		18	35	MT_PSIG
MT_G	37		33	SBE
MT_R		17	32	FRP
MT_B	36		31	DISCRI
MT_COMCS		16	30	ATFI
MT_PSIG	35		29	ENV_OUT
GND		15	28	TRST
GND	34		27	TMS
MONI_CHG		14	26	TDI
SBE	33		25	JLIP_TX
SPA		13	20	CVF_G
FRP	32		19	CVF_B
FS_PLL		12	18	MT_RPD
DISCRI	31		17	MT_R
HID1		11	16	MT_COMCS
ATFI	30		15	GND
MAIN_VCO		10	14	MONI_CHG
ENV_OUT	29		13	SPA
PB_CLK		9	12	FS_PLL
TRST	28		11	HID1
TCMK		8	10	MAIN_VCO
TMS	27		9	PB_CLK
TDO		7	8	TCMK
TDI	26		7	TDO
JLIP_RX		6	6	JLIP_RX
JLIP_TX	25			
IF_TX		5		
AL_3VSYS	24			
CJIG_RST		4		
VPPC	23			
SRV_RX		3		
SRV_TX	22			
REG_3V		2		
DRST	21			
VPPD		1		

NOTE)
The JIG connector board uses 30 of the 40 pins of CN114 on the Main board.
Pins 1 to 5, 21 to 24 and 34 of CN114 on the Main board are not used.

Fig. 3-1-3-1

6. Communication cable
Connect the Communication cable between the PC cable and Jig connector cable when performing a PC adjustment.

7. PC cable
To be used to connect the Videocamera and a personal computer with each other when a personal computer issued for adjustment.

8. Alignment tape
To be used for check and adjustment of interchangeability of the mechanism.

9. Service support system
To be used for adjustment with a personal computer. Software can be downloaded also from JS-net.

10. INF adjustment lens
To be used for adjustment of the camera system. For the usage of INF adjustment lens, refer to the Service Bulletin No. YA-SB-10035.

11. INF lens holder
To be used together with the camera stand (12) for operating the Videocamera in the stripped-down condition such as the status without the exterior parts or for using commodities that are not yet conformable to the interchangeable ring. For the usage of the INF lens holder, refer to the Service Bulletin No. YA-SB-10035.

12. Camera stand
To be used together with the INF adjustment lens holder. For the usage of the Camera stand, refer to the Service Bulletin No. YA-SB-10035.

13. Light box assembly
To be used for adjustment of the camera system. For the usage of the Light box assembly, refer to the Service Bulletin No. YA-SB-10035.

14. Gray scale chart (for Light box assembly)
To be used for adjustment of the camera system. For the usage of the Gray scale chart, refer to the Service Bulletin No. YA-SB-10035.

15. Color bar chart (for Light box assembly)
To be used for adjustment of the camera system. For the usage of the Color bar chart, refer to the Service Bulletin No. YA-SB-10035.

16. Cleaning cloth
Recommended cleaning cloth to wipe down the video heads, mechanism (tape transport system), optical lens surface.

3.2 MECHANISM COMPATIBILITY ADJUSTMENT

Note:
When an adjustment is performed with the lower case cover attached, first slide the Cover (M.ADJ) open and then perform the compatibility adjustment.
Be sure not to damage the cover plate when sliding it open to make an adjustment because it must be re-positioned after completing the adjustment.

3.2.1 Jig connector cable connection

Remove one screw (1) first and the cover (JIG) next.

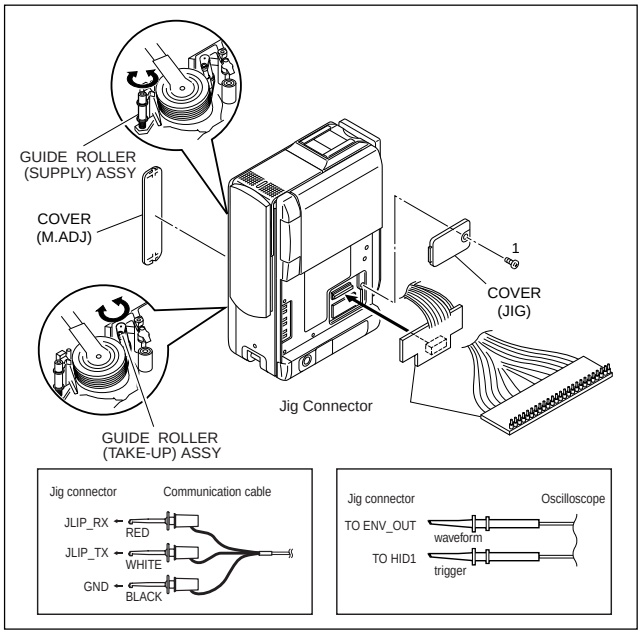


Fig. 3-2-1-1

3.2.2 Tape pattern check

(1) Play back the compatibility adjustment tape.

(2) While triggering the HID1, observe the waveform of ENV_OUT.

(3) Confirm that the waveform is free from remarkable level-down, and entirely parallel and straight.
Moreover, perform the following adjustment as required.

(4) In case any level-down is observed on the left hand side, straighten the level by turning the GUIDE ROLLER(SUPPLY).
In case any level-down is observed on the right hand side, however, straighten the level by turning the GUIDE ROLLER(TAKE-UP).

(5) After adjustment, try the unloading motion once, and confirm that the waveform is flat (straight) when the tape has been played back again.
Moreover, perform readjustment as required.

(6) When the recording has been played back again, play back the self-recording to confirm that the waveform is flat.

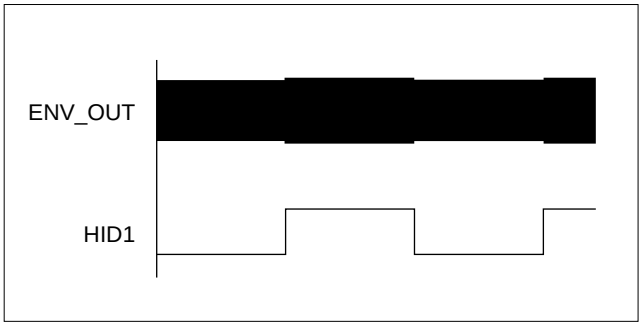


Fig. 3-2-2-1

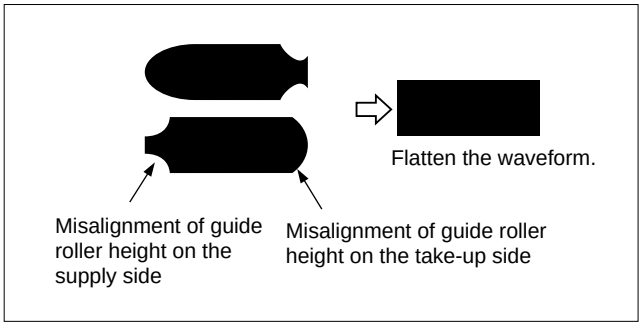

Flatten the waveform.
Misalignment of guide roller height on the supply side
Misalignment of guide roller height on the take-up side

Fig. 3-2-2-2

3.3 ELECTRICAL ADJUSTMENT

3.3.1 Electrical adjustment with PERSONAL COMPUTER

Electrical adjsutment except for B/W VF ASSEMBLY is performed by using PERSONAL COMPUTER. As for the cable connection, see Fig. 3-3-1-1. Read README.TXT file to use the software for SERVICE SUPPORT SYSTEM properly.

3.3.2 Setup

1. Setup for electrical adjustment with personal computer.

NOTE: *Remove one screw (1) first and the cover (JIG) next.*

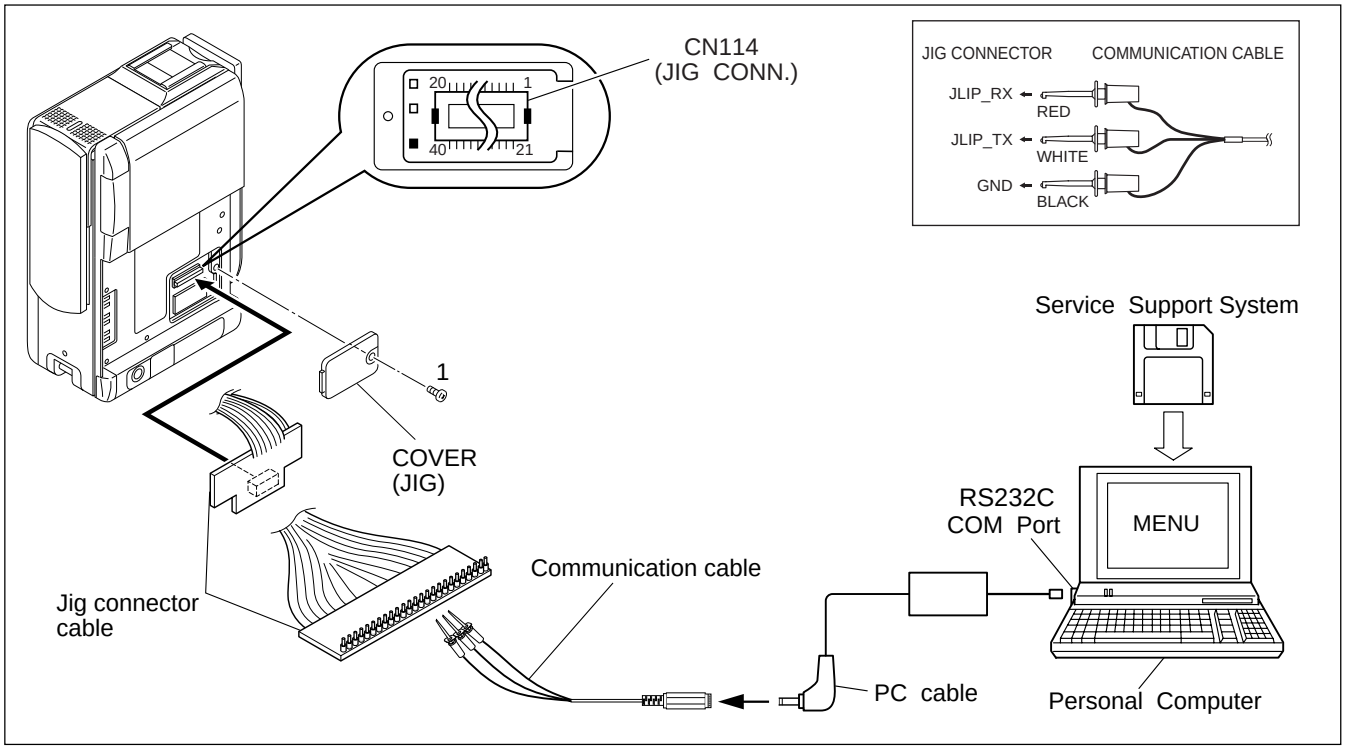


Fig. 3-3-1-1 Connection for Service support system

JVC

VICTOR COMPANY OF JAPAN, LIMITED
AV & MULTIMEDIA COMPANY. 12,3-chome,Moriya-cho,Kanagawa-ku,Yokohama,Kanagawa-prefecture,221-8528,Japan

Printed in Japan
0304 VP

SECTION 4
CHARTS AND DIAGRAMS

NOTES OF SCHEMATIC DIAGRAM

Safety precautions
The Components identified by the symbol ⚠ are critical for safety. For continued safety, replace safety critical components only with manufacturer's recommended parts.

1. Units of components on the schematic diagram

Unless otherwise specified.

1) All resistance values are in ohm. 1/6 W, 1/8 W (refer to parts list).
   Chip resistors are 1/16 W.
   K: KΩ (1000Ω), M: MΩ (1000KΩ)
2) All capacitance values are in μF, (P: PF).
3) All inductance values are in μH, (m: mH).
4) All diodes are 1SS133, MA165 or 1N4148M (refer to parts list).

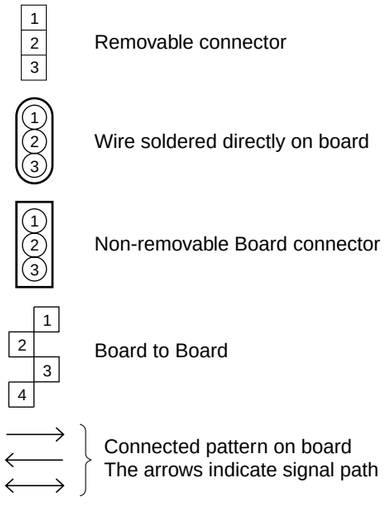
Note: The Parts Number, value and rated voltage etc. in the Schematic Diagram are for references only. When replacing the parts, refer to the Parts List.

2. Indications of control voltage

AUX : Active at high.

$\overline{\text{AUX}}$ or AUX(L) : Active at low.

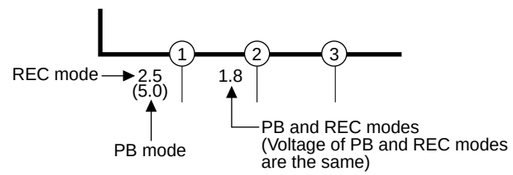
3. Interpreting Connector indications



Note: For the destination of each signal and further line connections that are cut off from the diagram, refer to "BOARD INTERCONNECTIONS"

4. Voltage measurement

1) Regulator (DC/DC CONV) circuits
   REC : Colour bar signal.
   PB : Alignment tape (Colour bar).
   — : Unmeasurable or unnecessary to measure.
4) Indication on schematic diagram
   Voltage Indications for REC and PB mode on the schematic diagram are as shown below.



Note: If the voltages are not indicated on the schematic diagram, refer to the voltage charts.

5. Signal path Symbols

The arrows indicate the signal path as follows.

NOTE : The arrow is DVC unique object.

Playback signal path

Playback and recording signal path

Recording signal path
(including E-E signal path)

Capstan servo path

Drum servo path

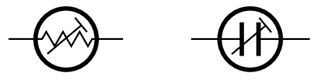
(Example)

R-Y Playback R-Y signal path

Y Recording Y signal path

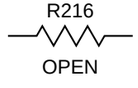
6. Indication of the parts for adjustments

The parts for the adjustments are surrounded with the circle as shown below.



7. Indication of the parts not mounted on the circuit board

"OPEN" is indicated by the parts not mounted on the circuit board.



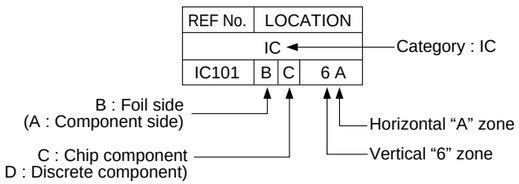
CIRCUIT BOARD NOTES

1. Foil and Component sides

1) Foil side (B side) :
   Parts on the foil side seen from foil face (pattern face) are indicated.
2) Component side (A side) :
   Parts on the component side seen from component face (parts face) indicated.

2. Parts location guides

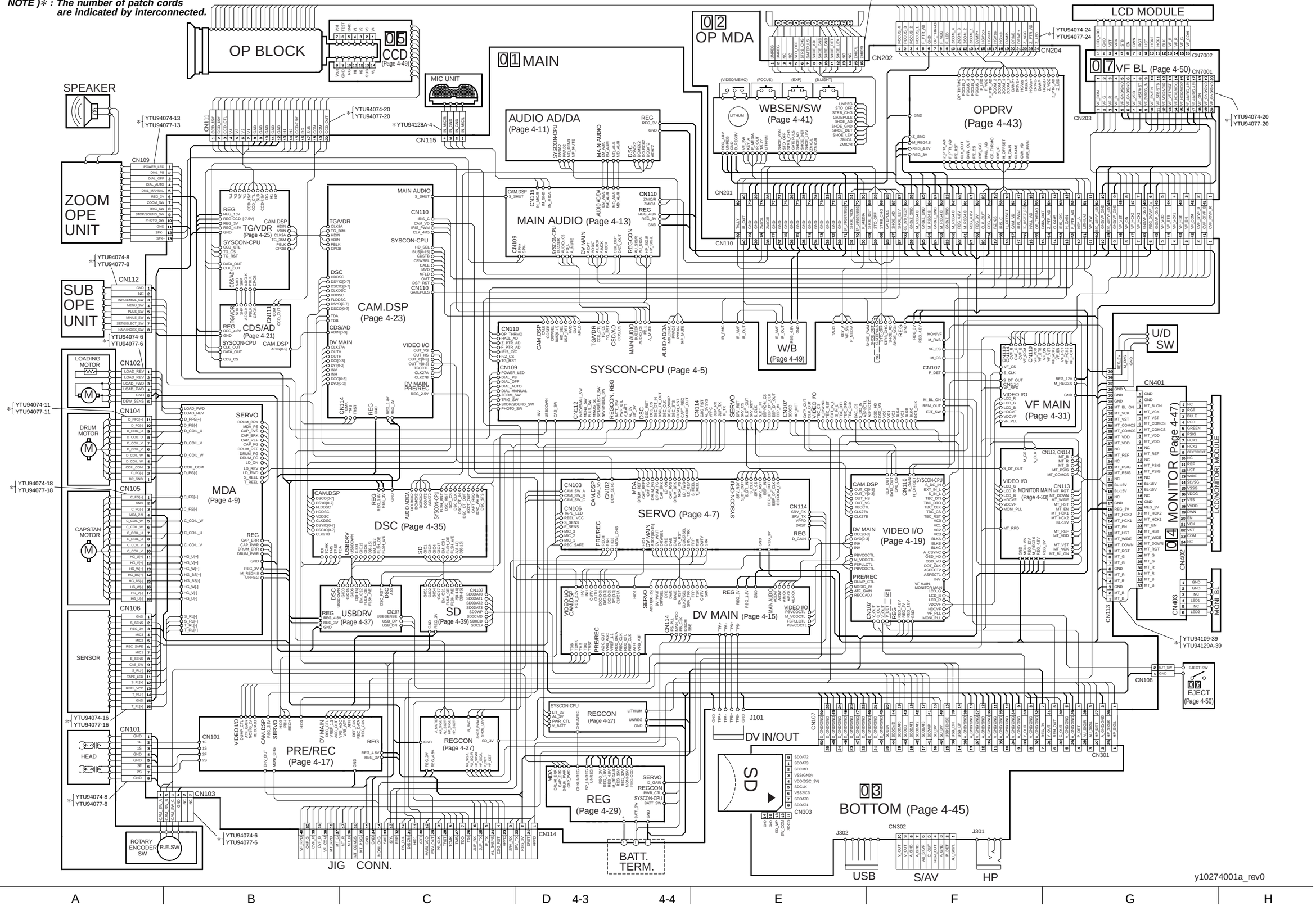
Parts location are indicated by guide scale on the circuit board.



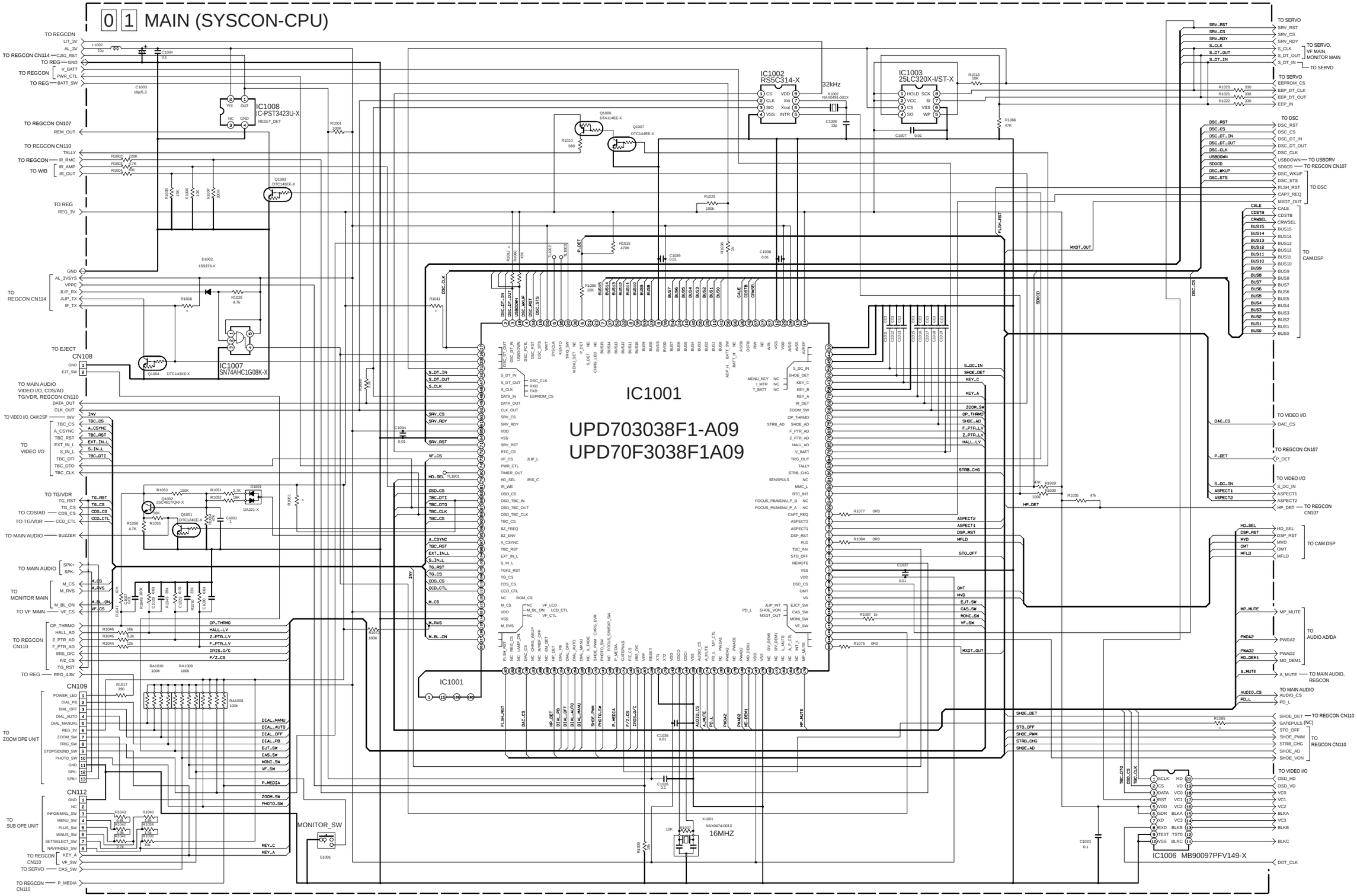
Note: For general information in service manual, please refer to the Service Manual of GENERAL INFORMATION Edition 4 No. 82054D (January 1994).

4.1 BOARD INTERCONNECTIONS

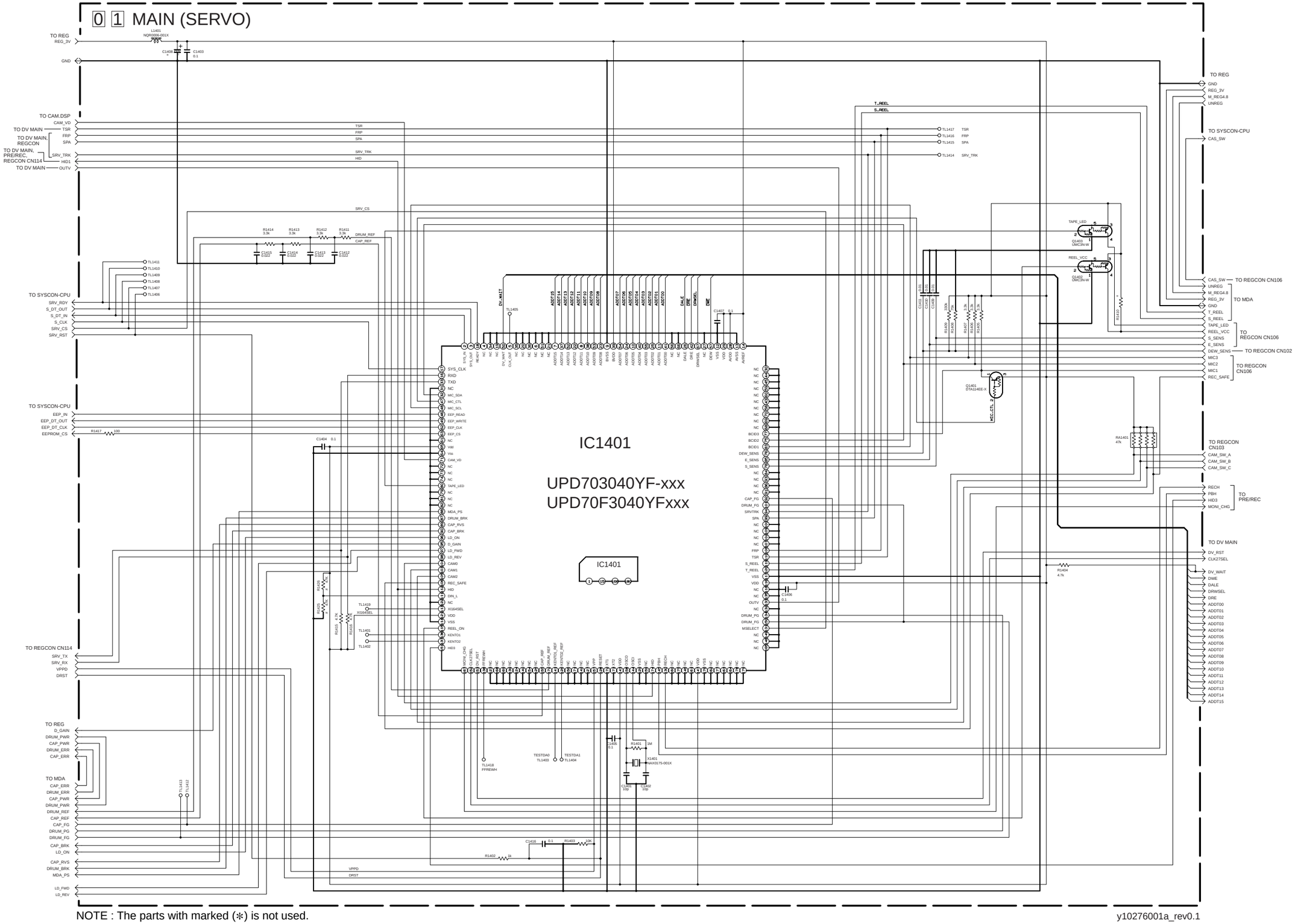
NOTE)* : The number of patch cords are indicated by interconnected.



4.2 SYSCON-CPU SCHEMATIC DIAGRAM



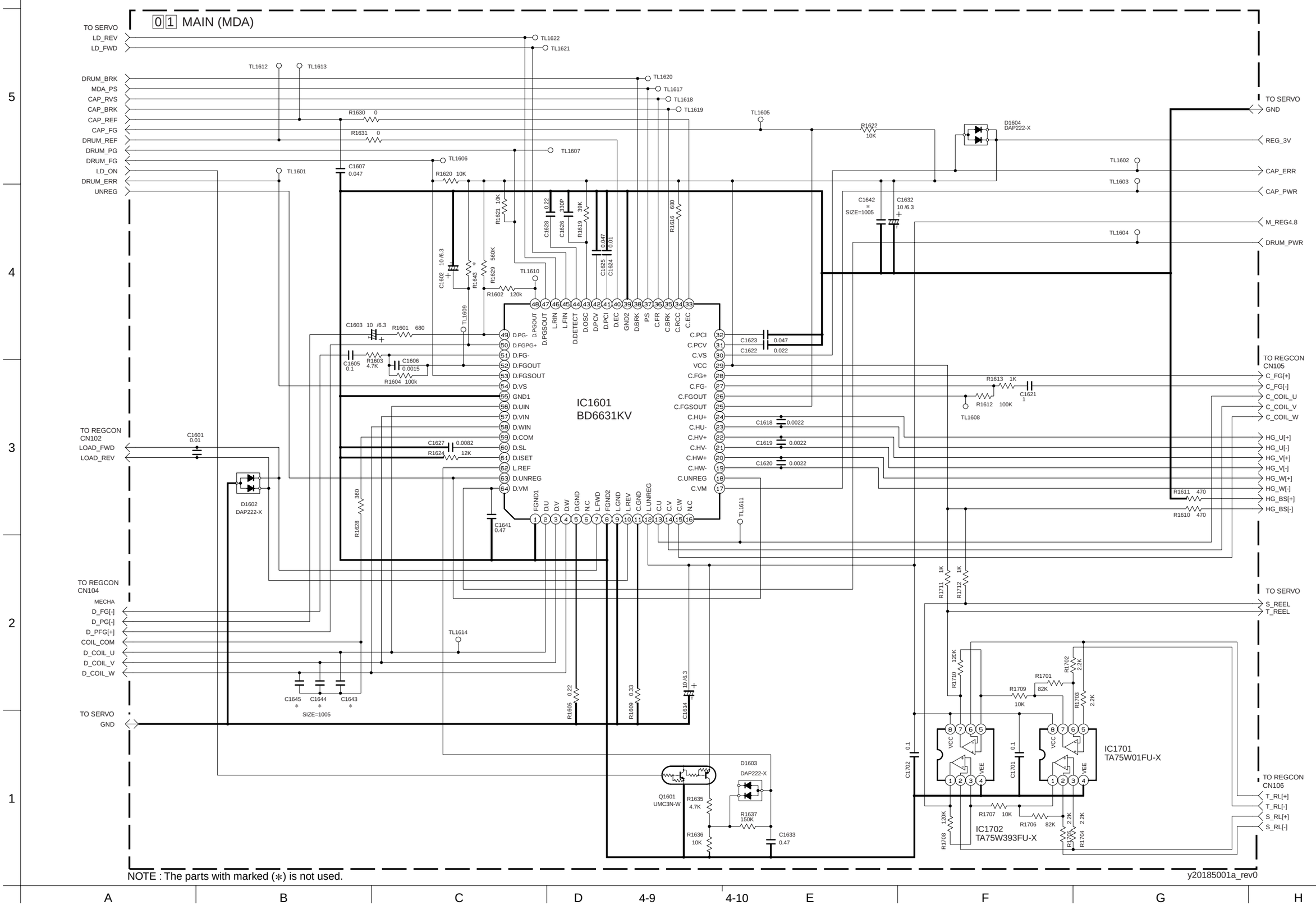
4.3 SERVO SCHEMATIC DIAGRAM



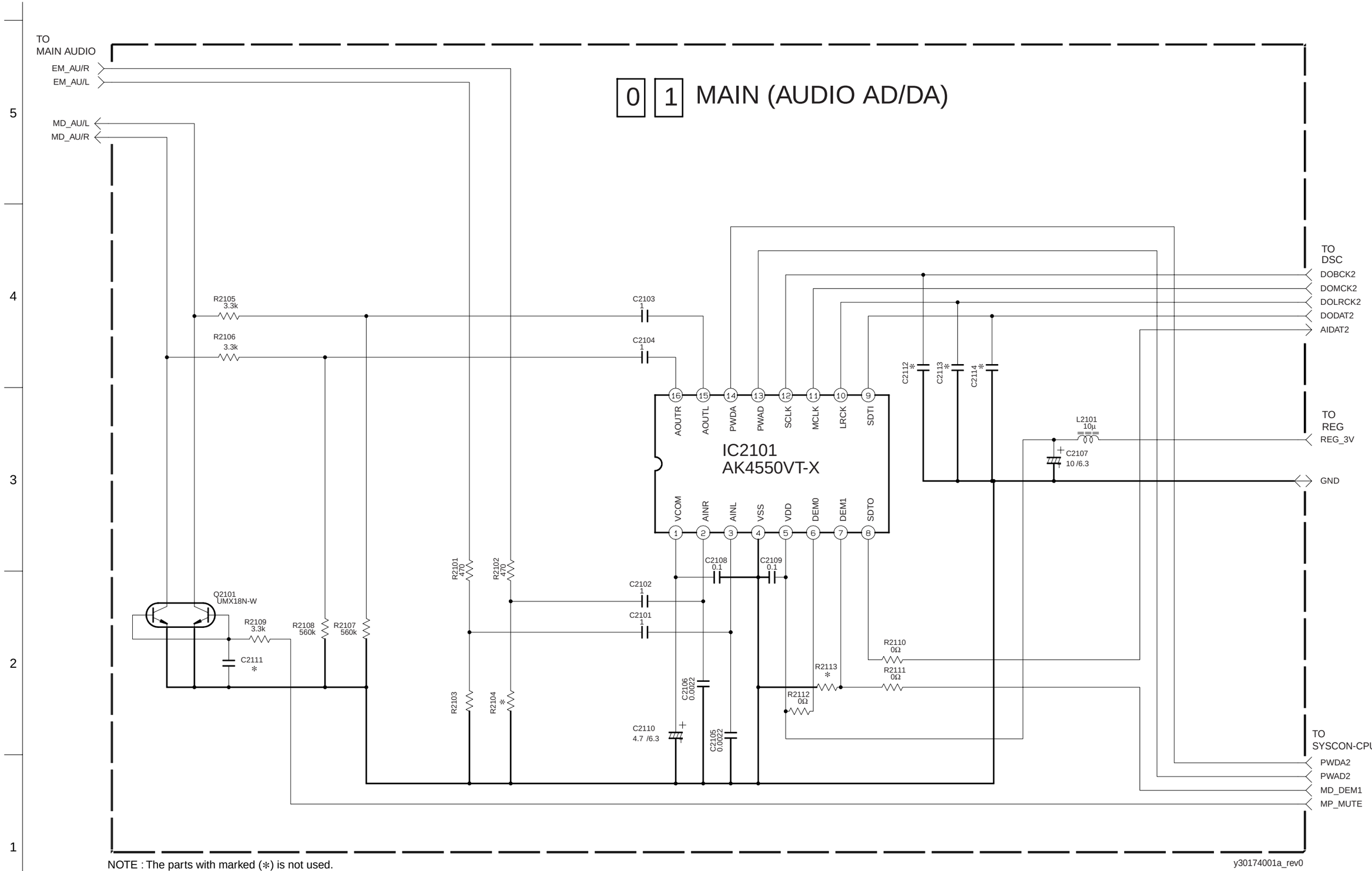
NOTE : The parts with marked (*) is not used.

y10276001a_rev0.1

4.4 MDA SCHEMATIC DIAGRAM



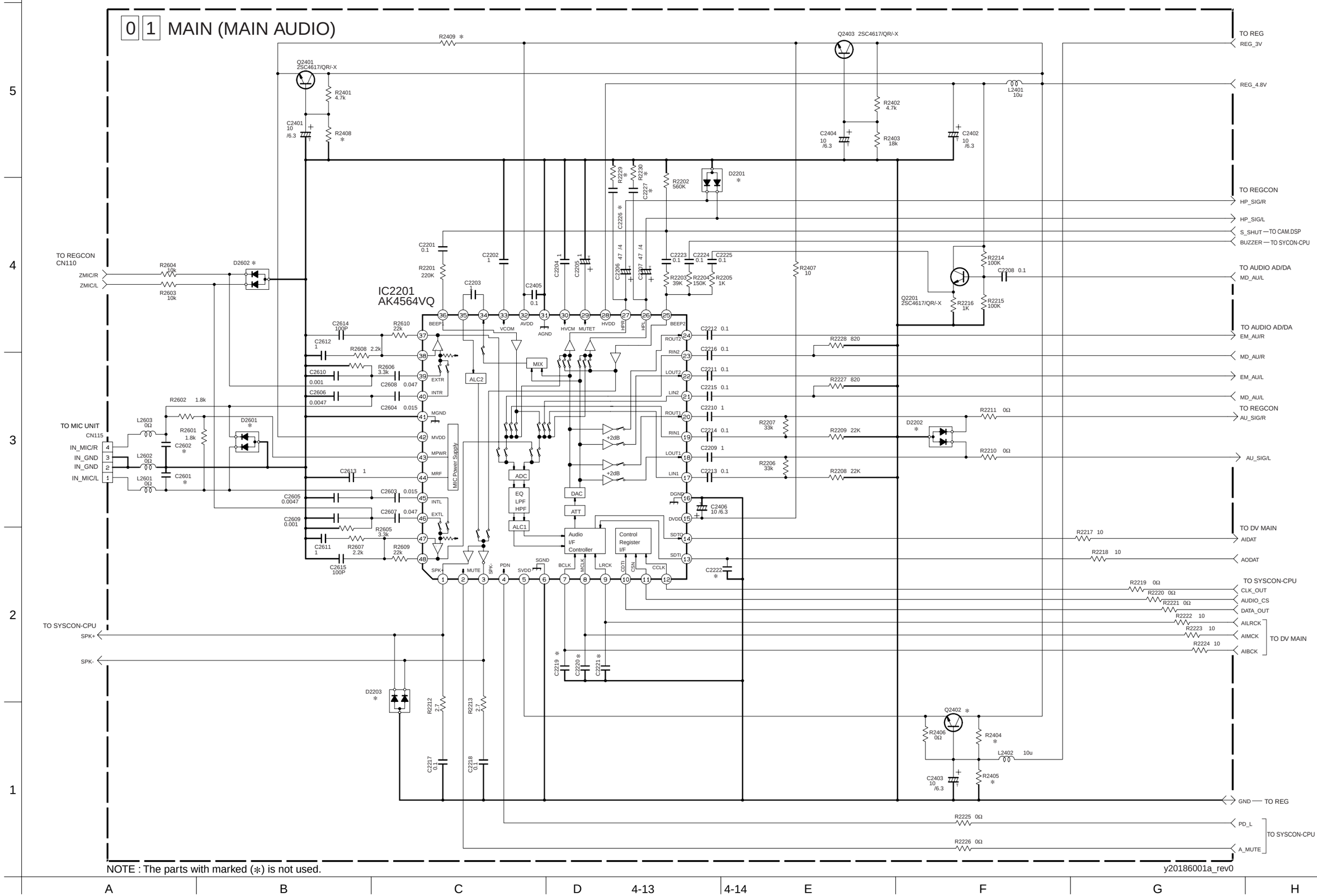
4.5 AUDIO AD/DA SCHEMATIC DIAGRAM



NOTE : The parts with marked (*) is not used.

y30174001a_rev0

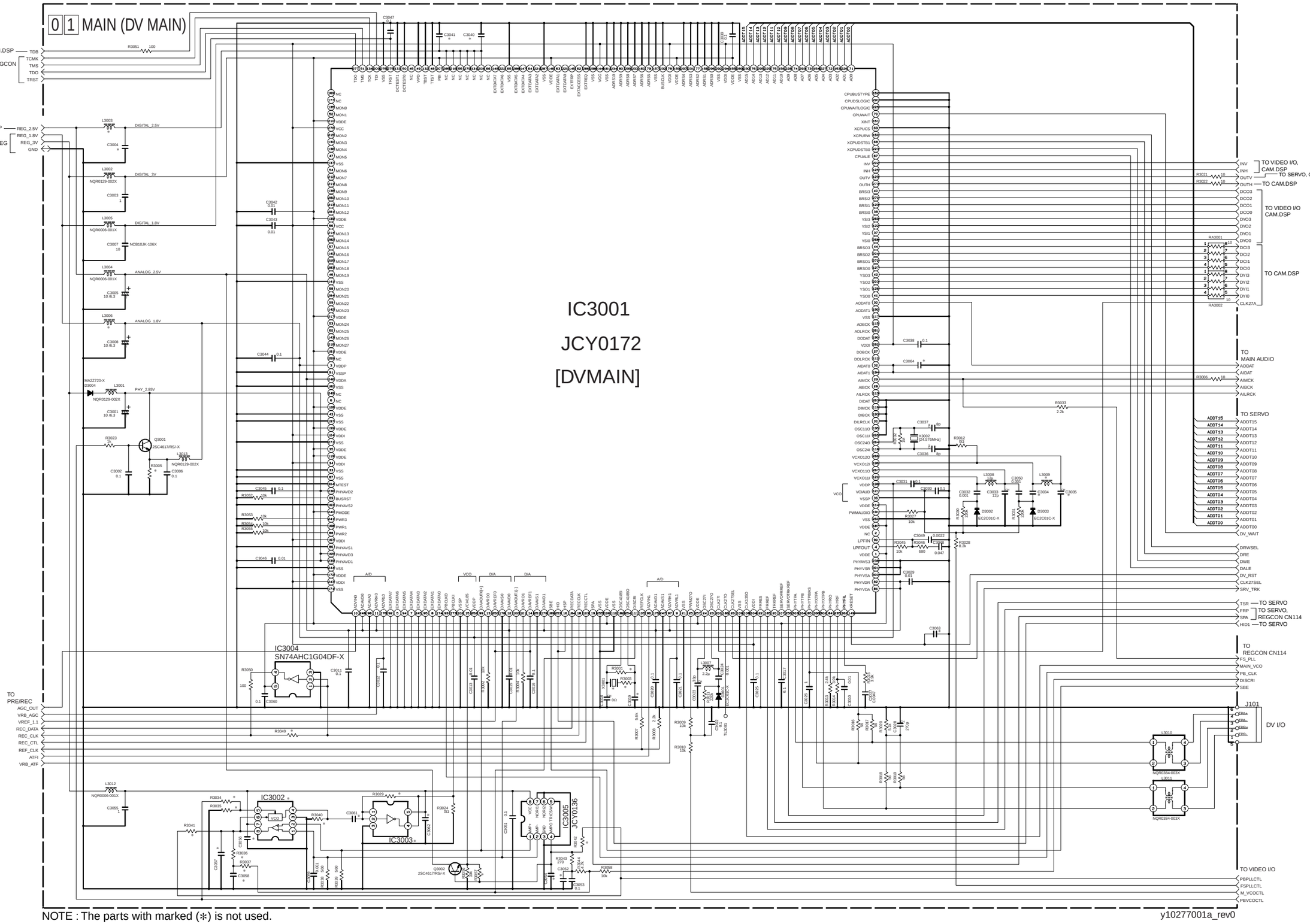
4.6 MAIN AUDIO SCHEMATIC DIAGRAM



NOTE : The parts with marked (*) is not used.

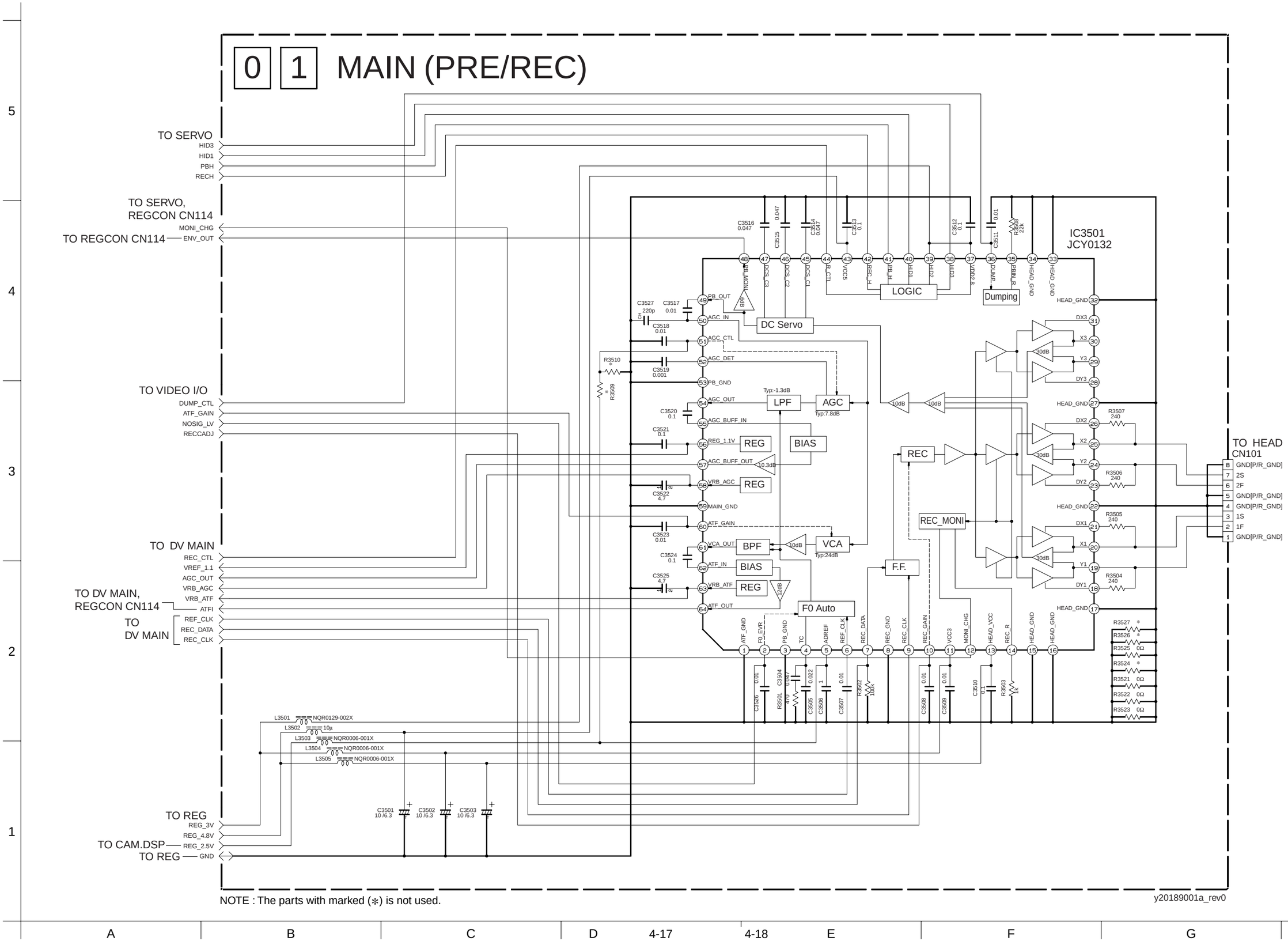
y20186001a_rev0

4.7 DV MAIN SCHEMATIC DIAGRAM



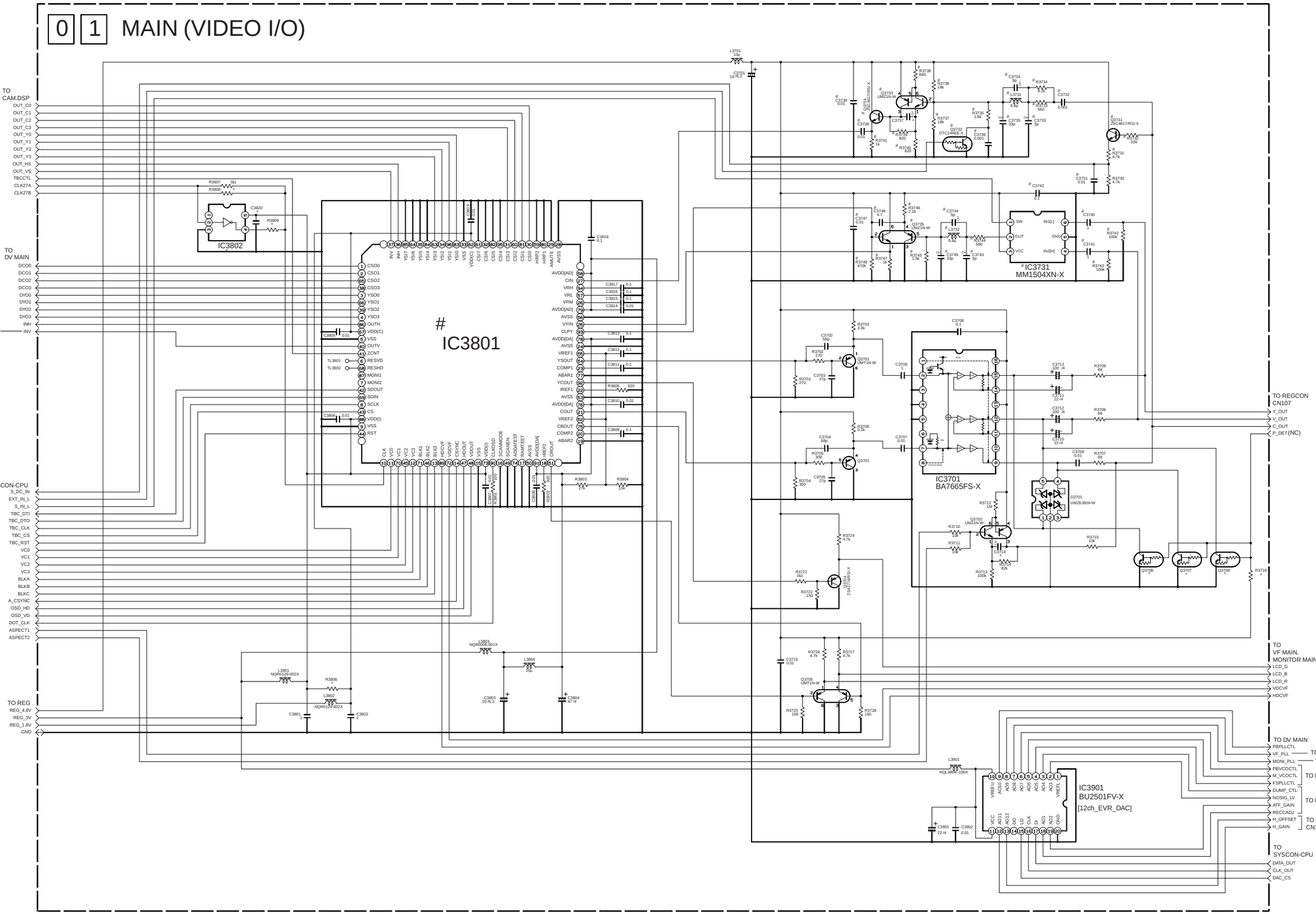
A	B	C	D	4-15	4-16	E	F	G	H

4.8 PRE/REC SCHEMATIC DIAGRAM



A B C D 4-17 4-18 E F G H

4.9 VIDEO I/O SCHEMATIC DIAGRAM

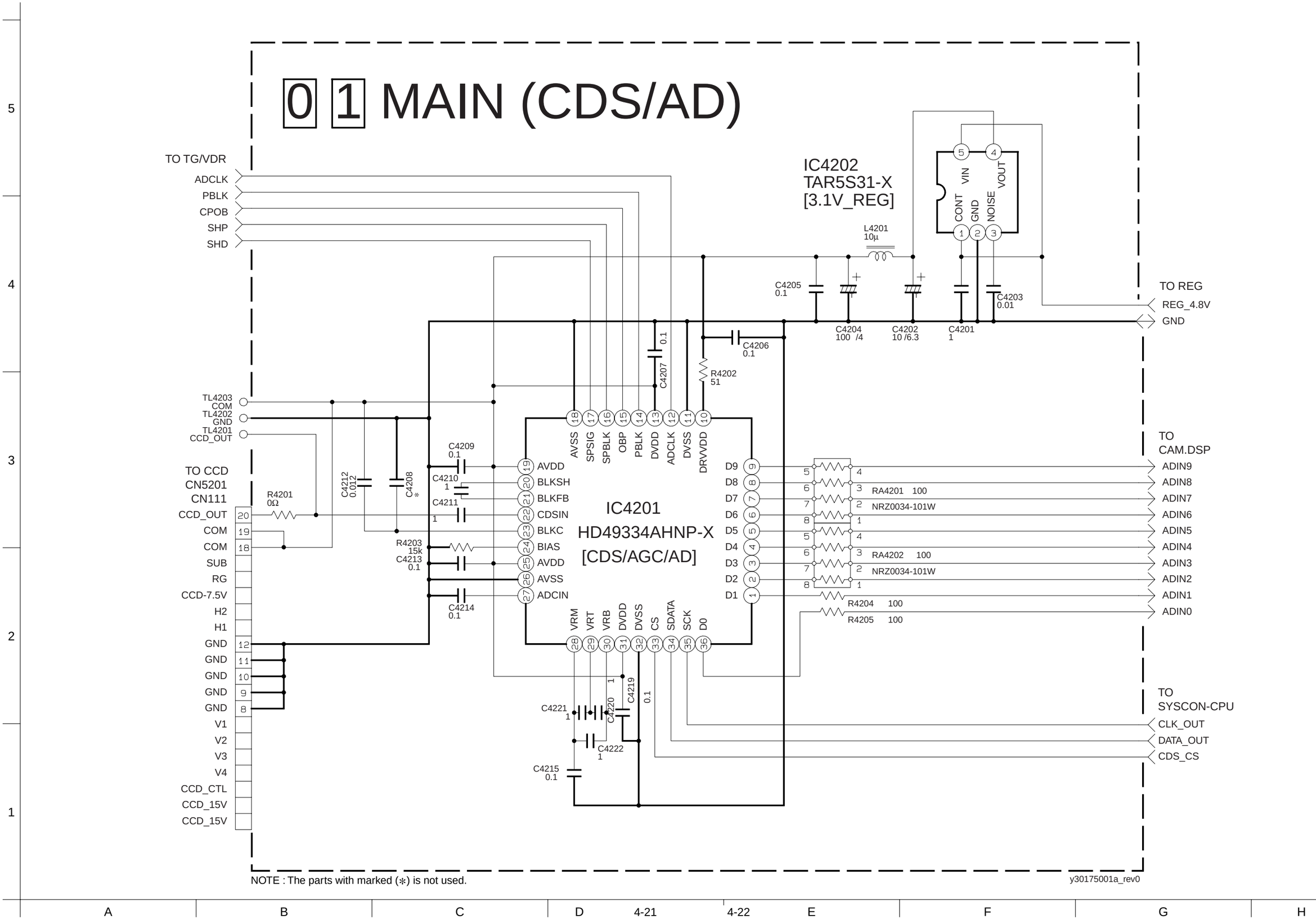


NOTE : The parts with marked (*) is not used.

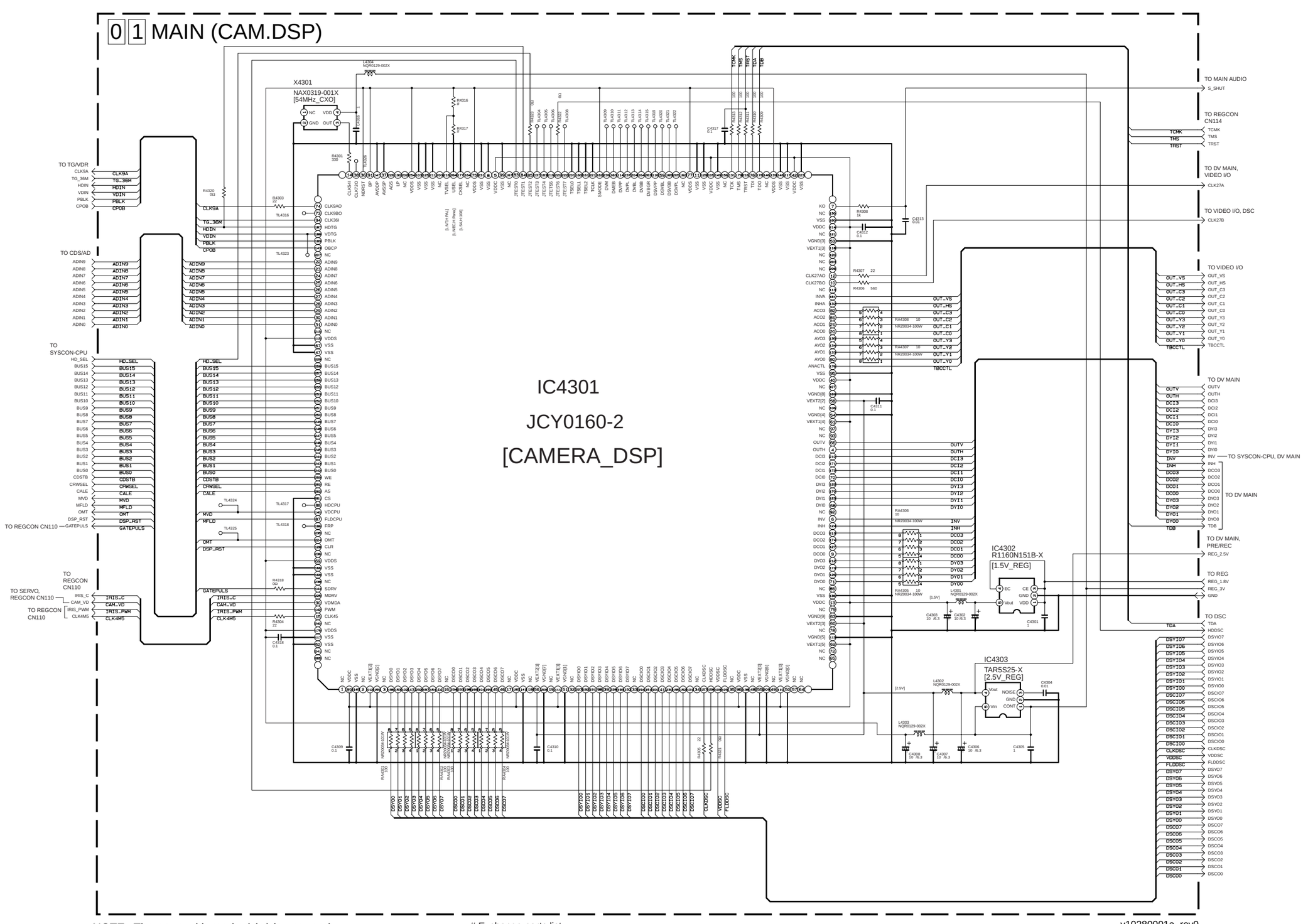
Exchange parts list

	WITH ANALOG INPUT	WITHOUT ANALOG INPUT
IC3731	WARE	NO WARE
Q3731-Q3735	WARE	NO WARE
L3731,L3732	WARE	NO WARE
R3731-R3748	WARE	NO WARE
C3731-C3747	WARE	NO WARE
IC3801	JCP8045	JCP8055

4.10 CDS/AD SCHEMATIC DIAGRAM



4.11 CAM.DSP SCHEMATIC DIAGRAM



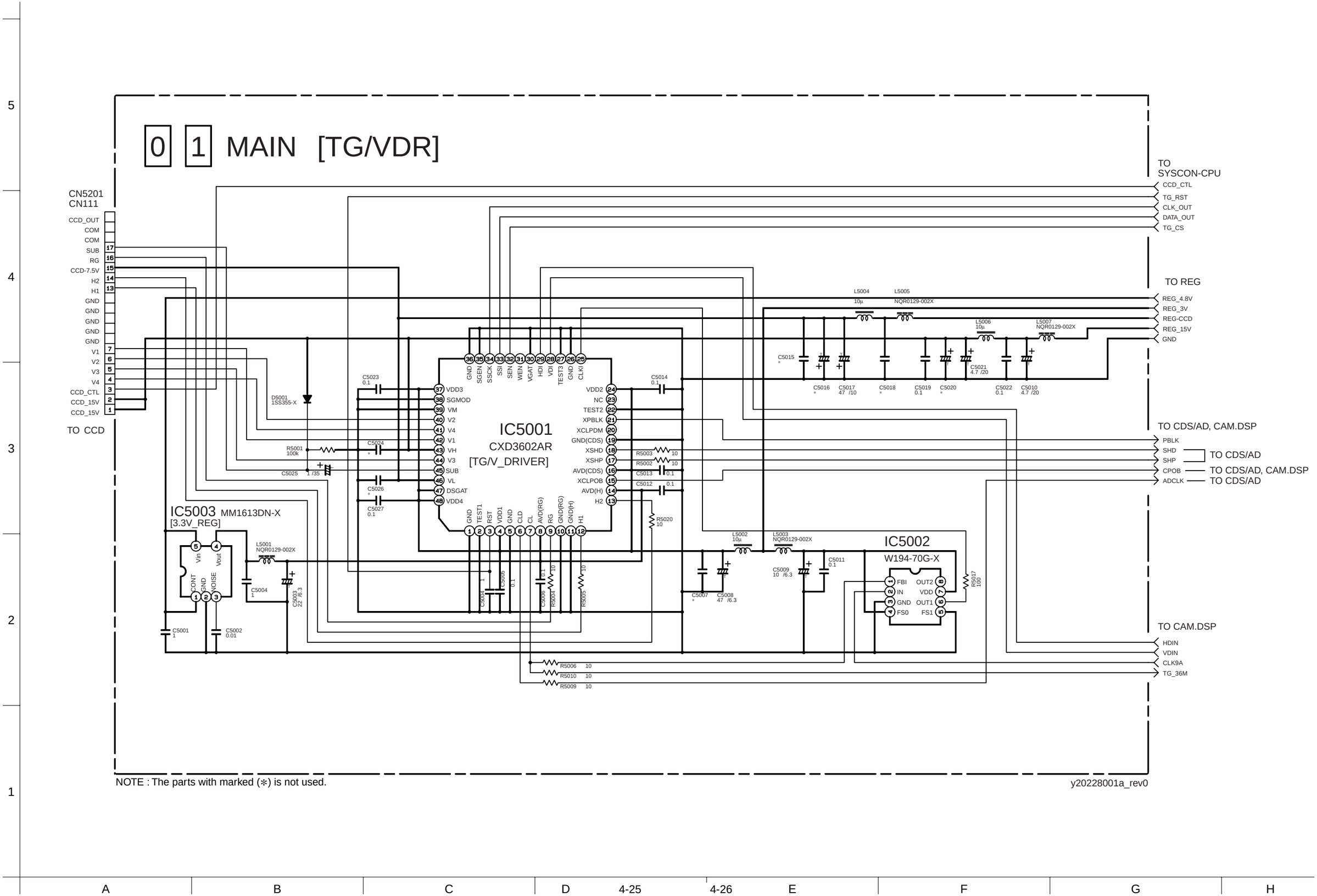
NOTE : The parts with marked (*) is not used.

Exchange parts list

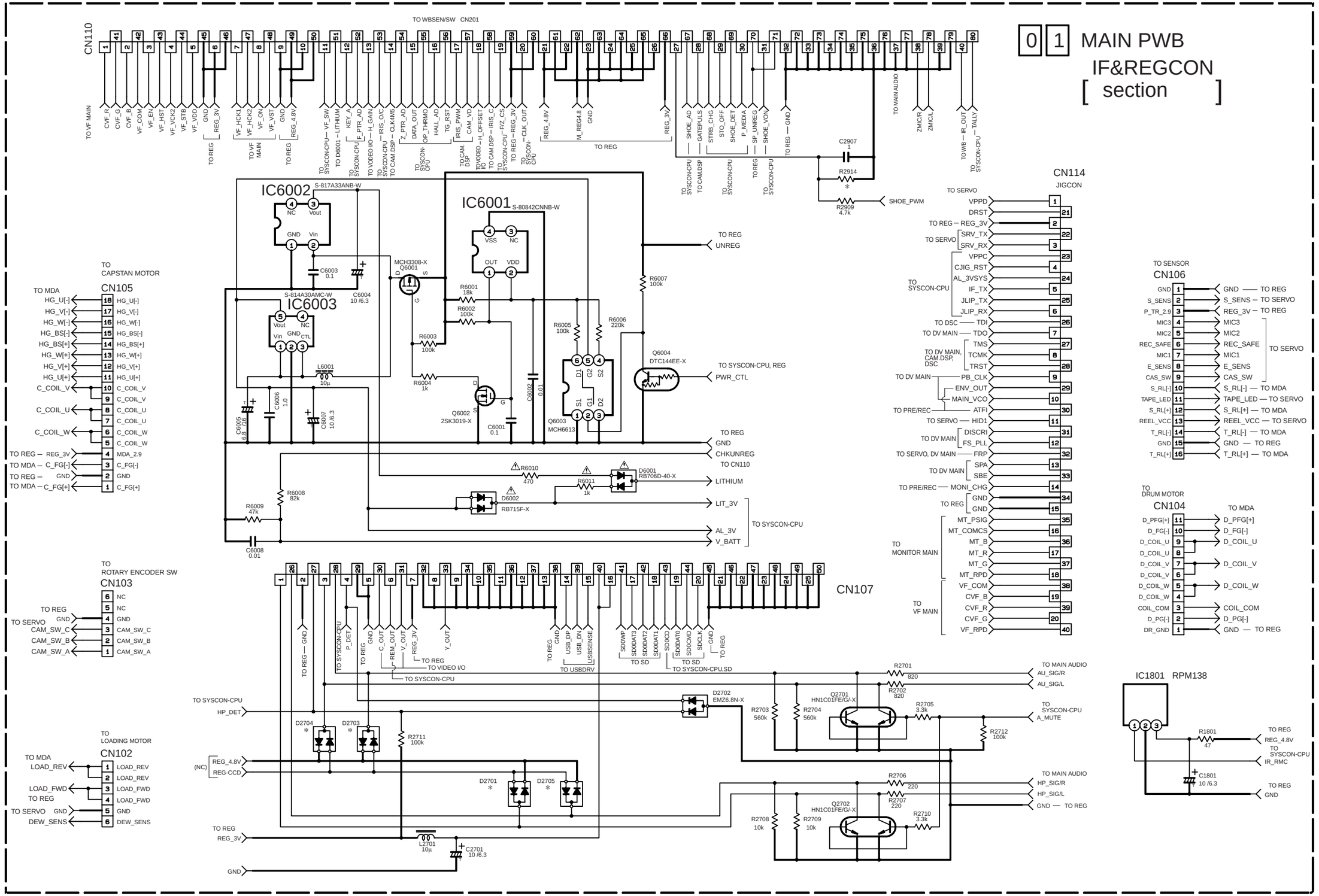
	R4316	R4317
NTSC	*	0R0
PAL	0R0	*

y10280001a_rev0

4.12 TG/VDR SCHEMATIC DIAGRAM



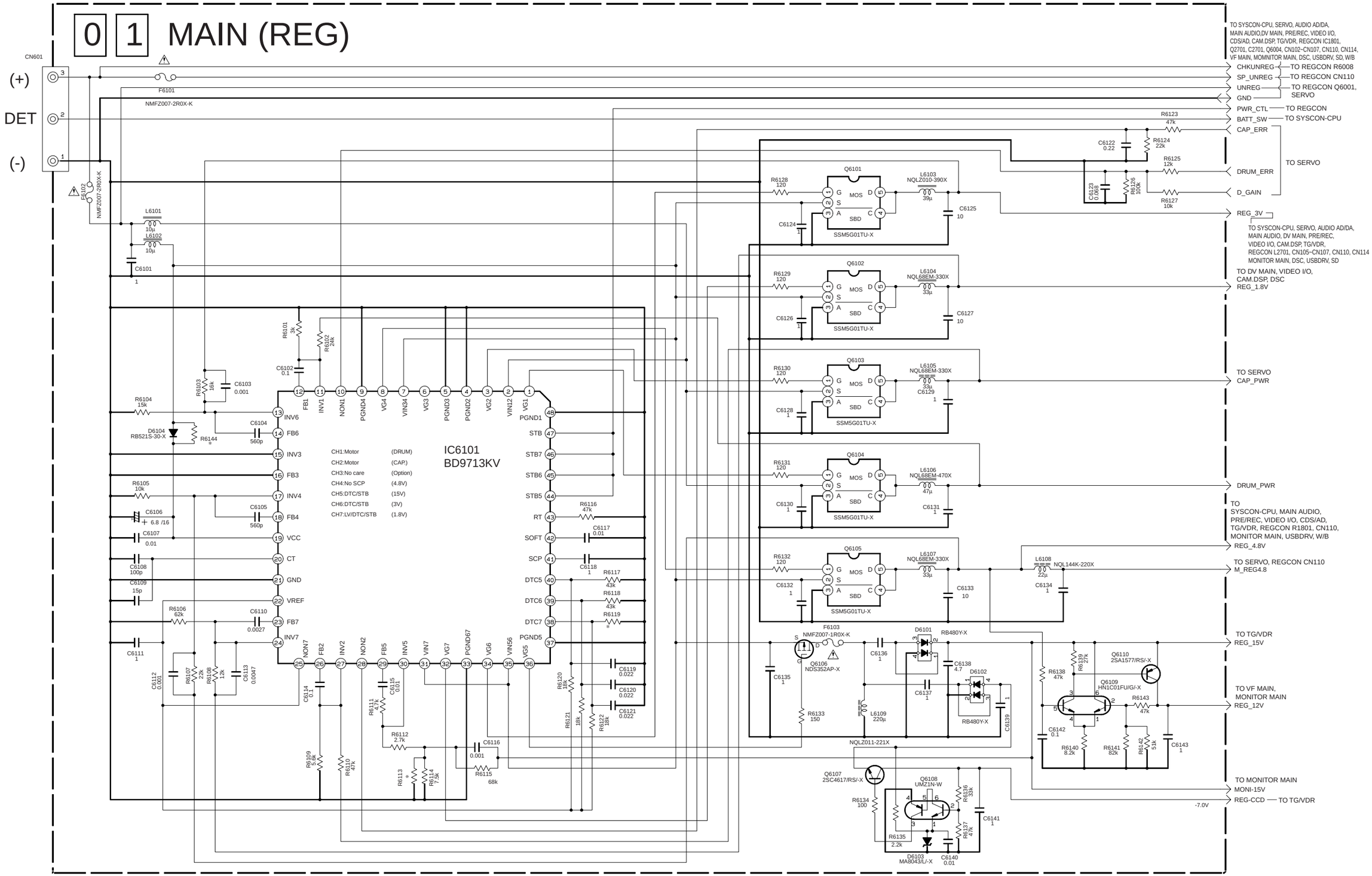
4.13 REGCON SCHEMATIC DIAGRAM



NOTE : The parts with marked (*) is not used.

y20237001a_rev0

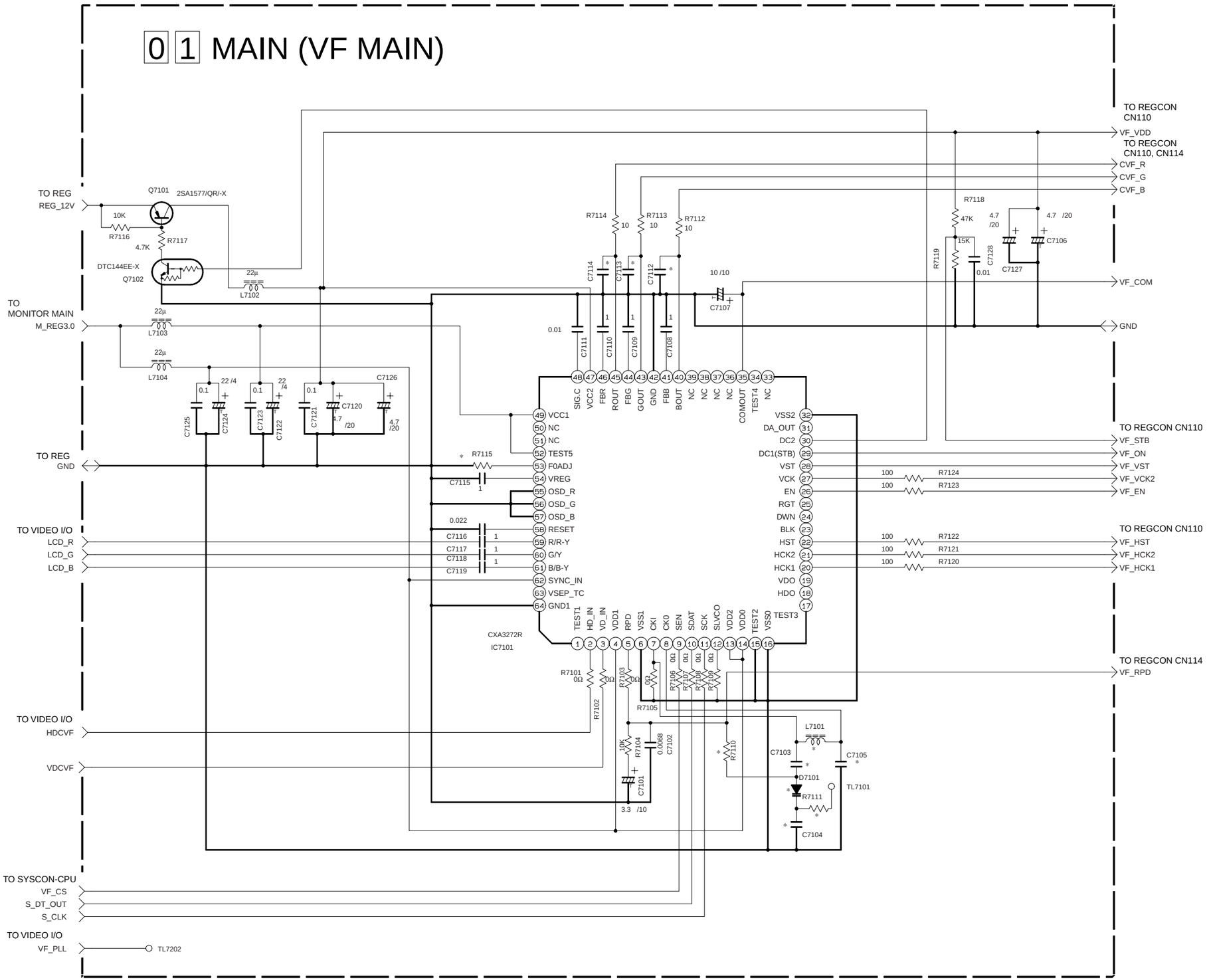
4.14 REG SCHEMATIC DIAGRAM



NOTE : The parts with marked (*) is not used.

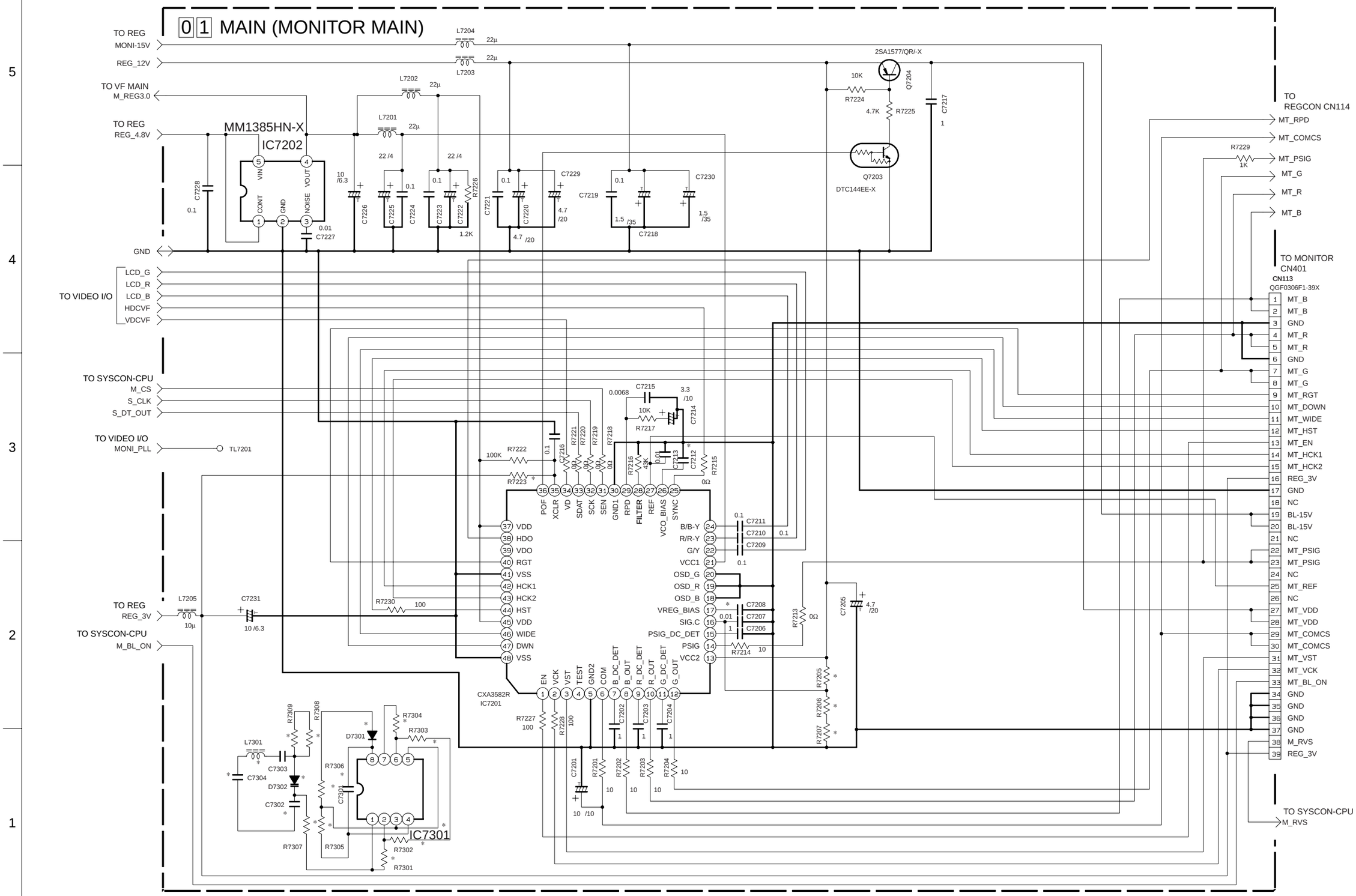
y20193001a_rev0

4.15 VF MAIN SCHEMATIC DIAGRAM

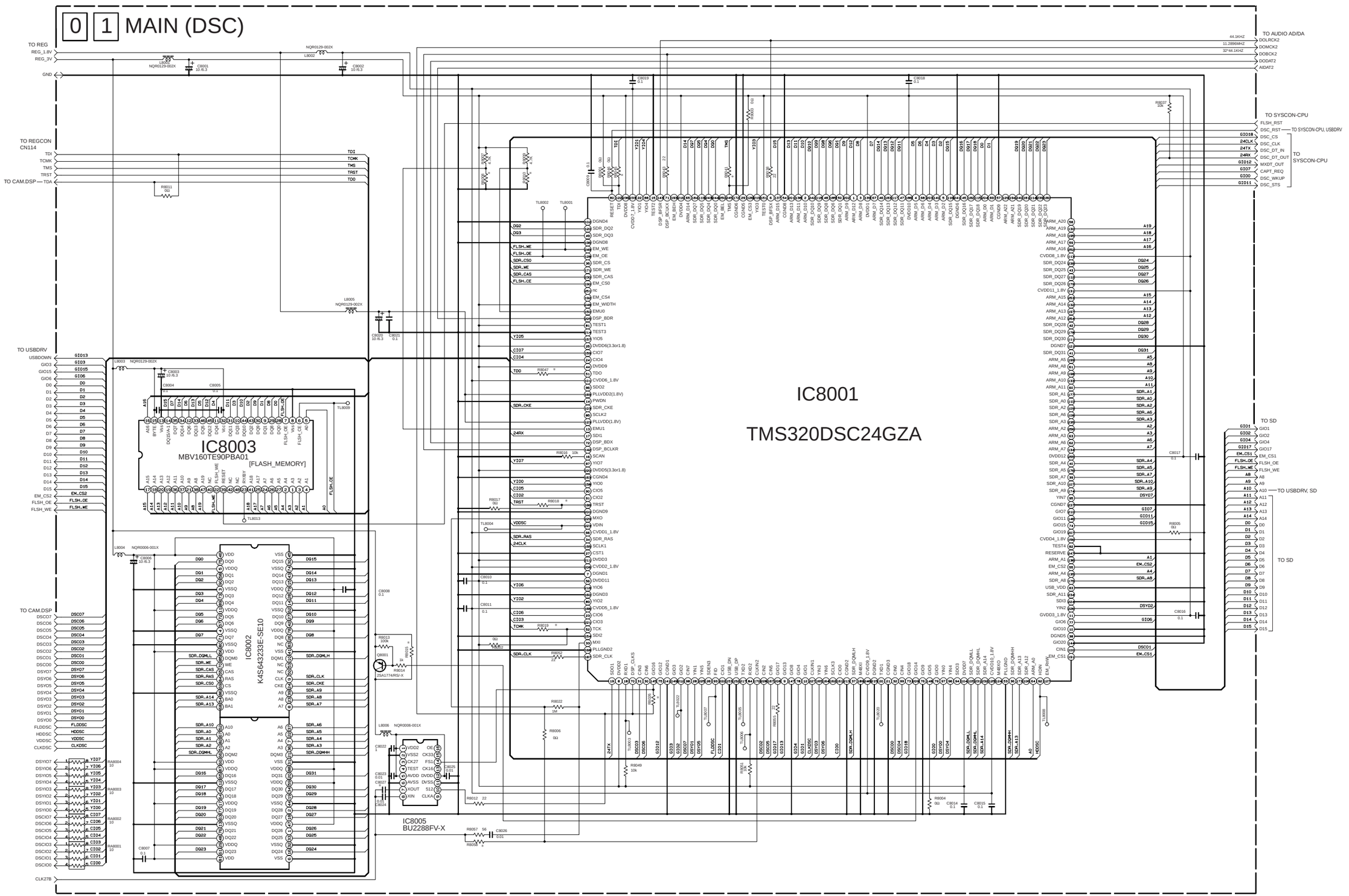


NOTE : The parts with marked (*) is not used.

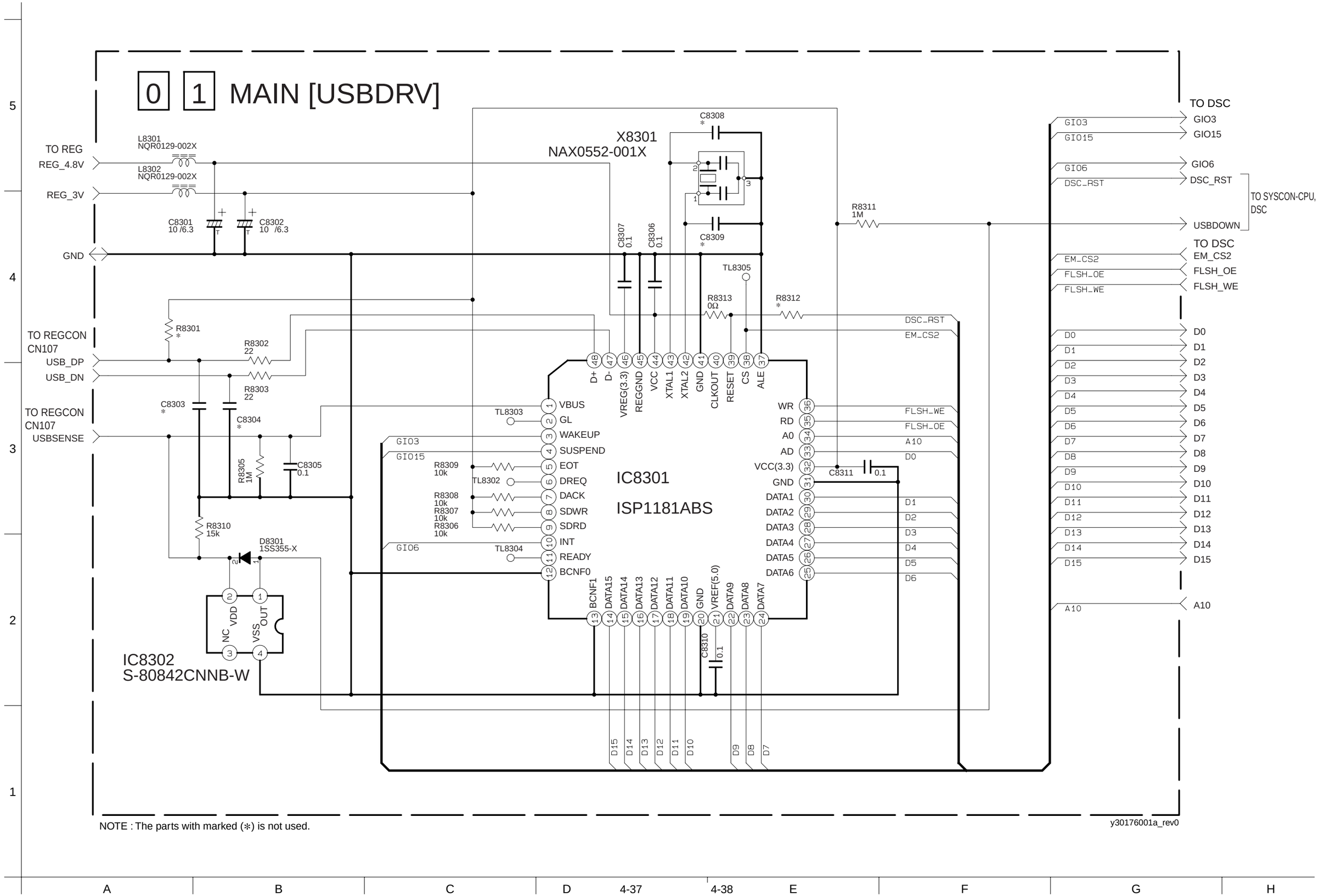
4.16 MONITOR MAIN SCHEMATIC DIAGRAM



4.17 DSC SCHEMATIC DIAGRAM



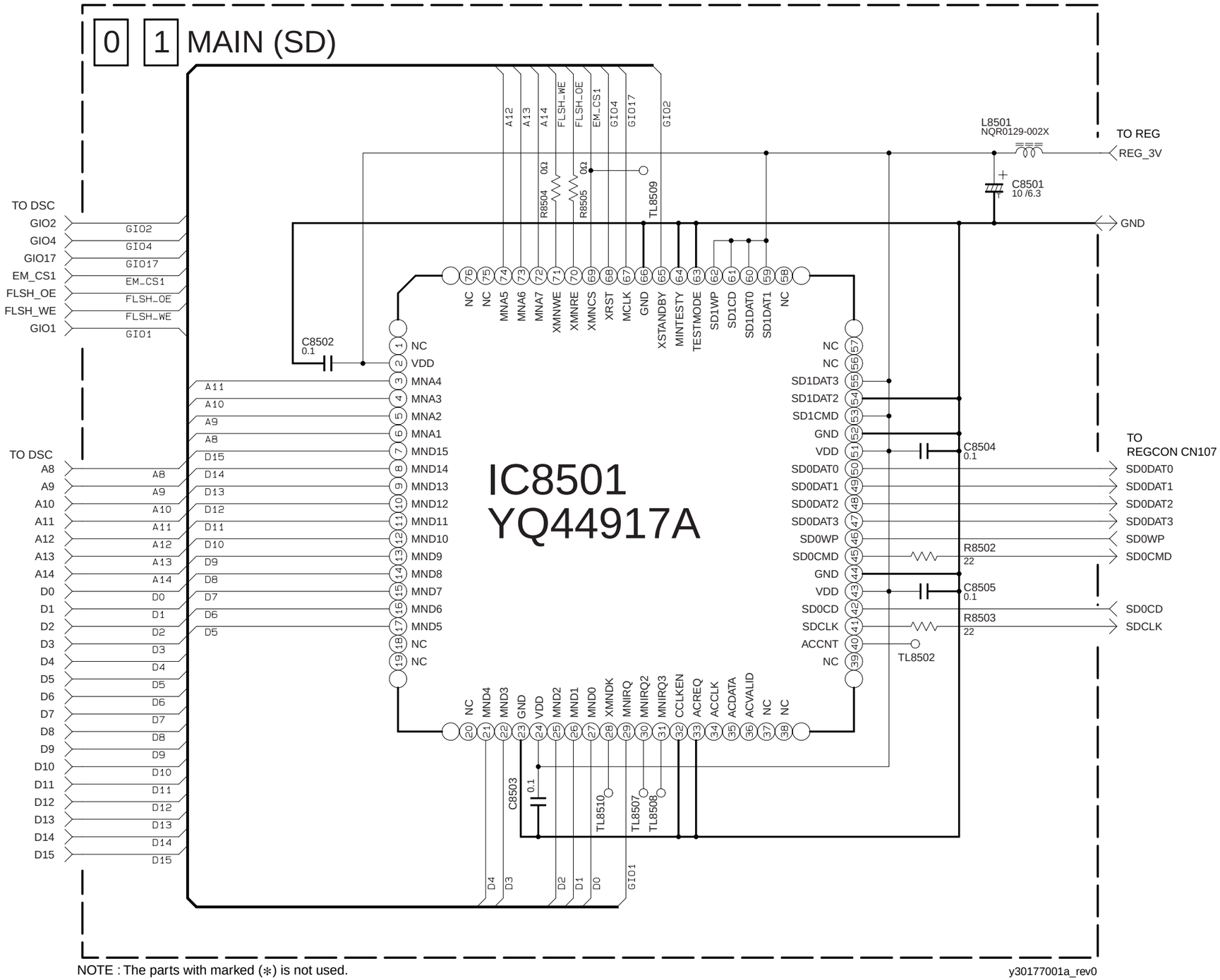
4.18 USBDRV SCHEMATIC DIAGRAM



NOTE : The parts with marked (*) is not used.

y30176001a_rev0

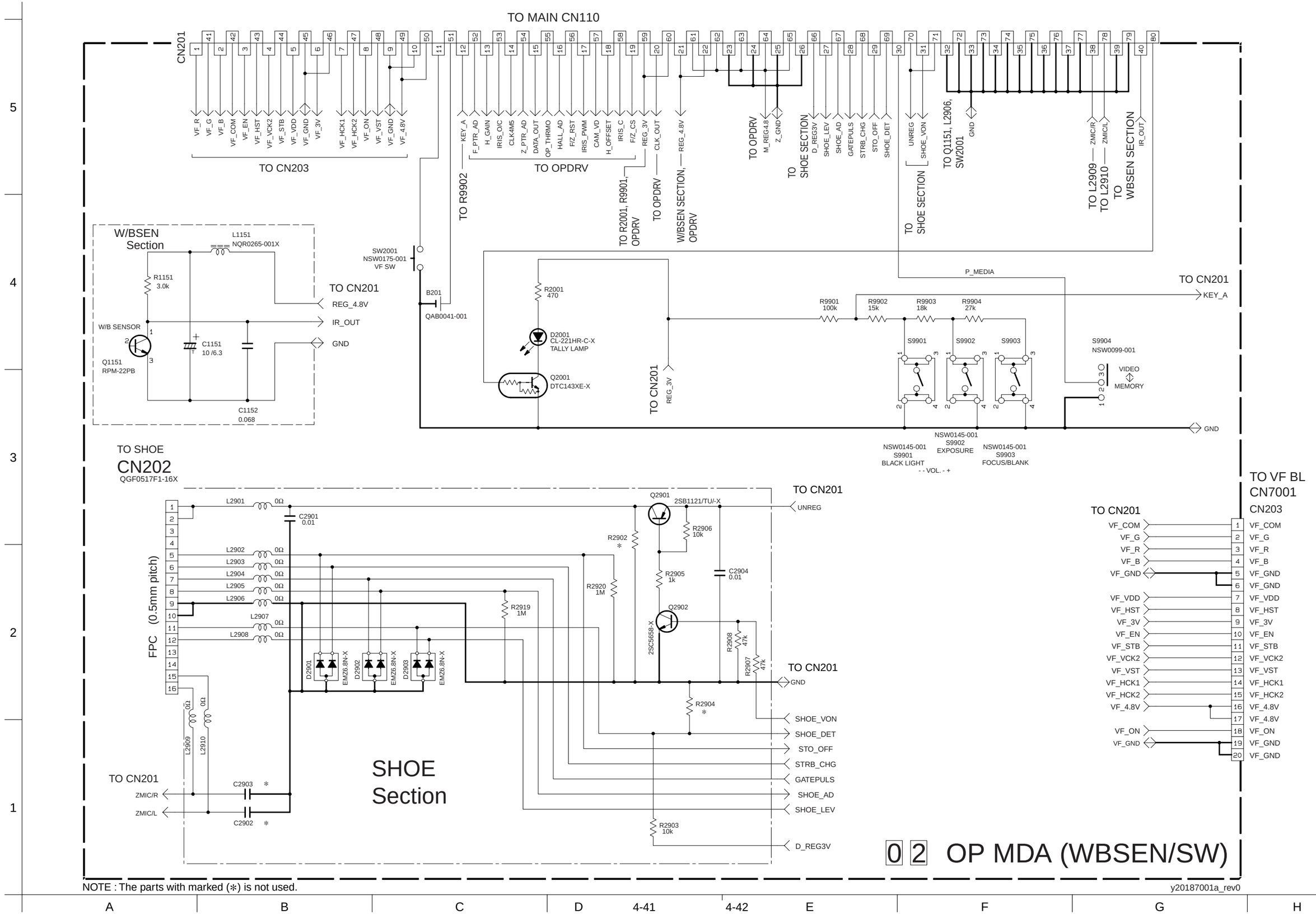
4.19 SD SCHEMATIC DIAGRAM



NOTE : The parts with marked (⁎) is not used.

y30177001a_rev0

4.20 WBSEN/SW SCHEMATIC DIAGRAM

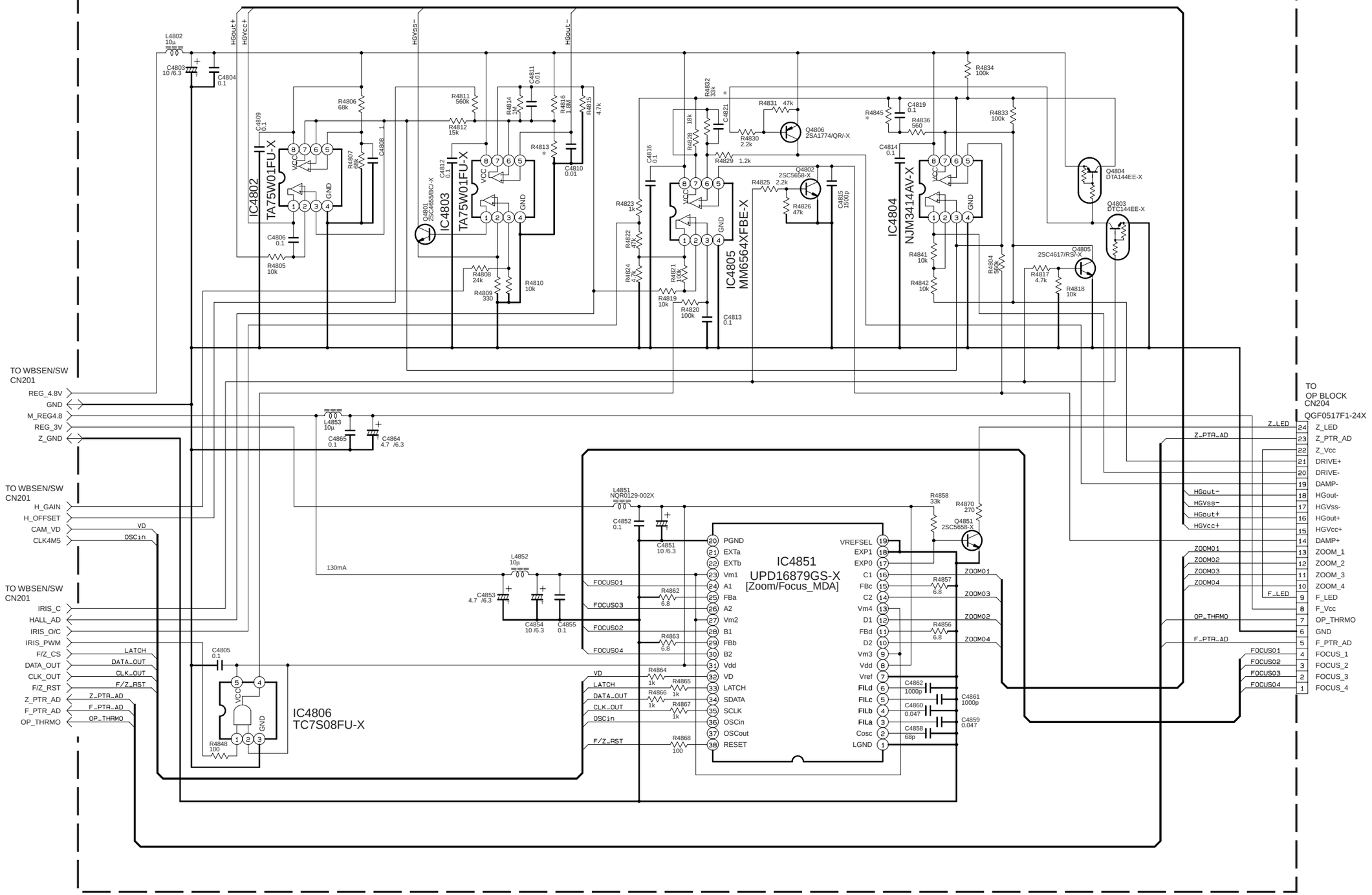


NOTE : The parts with marked (*) is not used.

y20187001a_rev0

4.21 OPDRV SCHEMATIC DIAGRAM

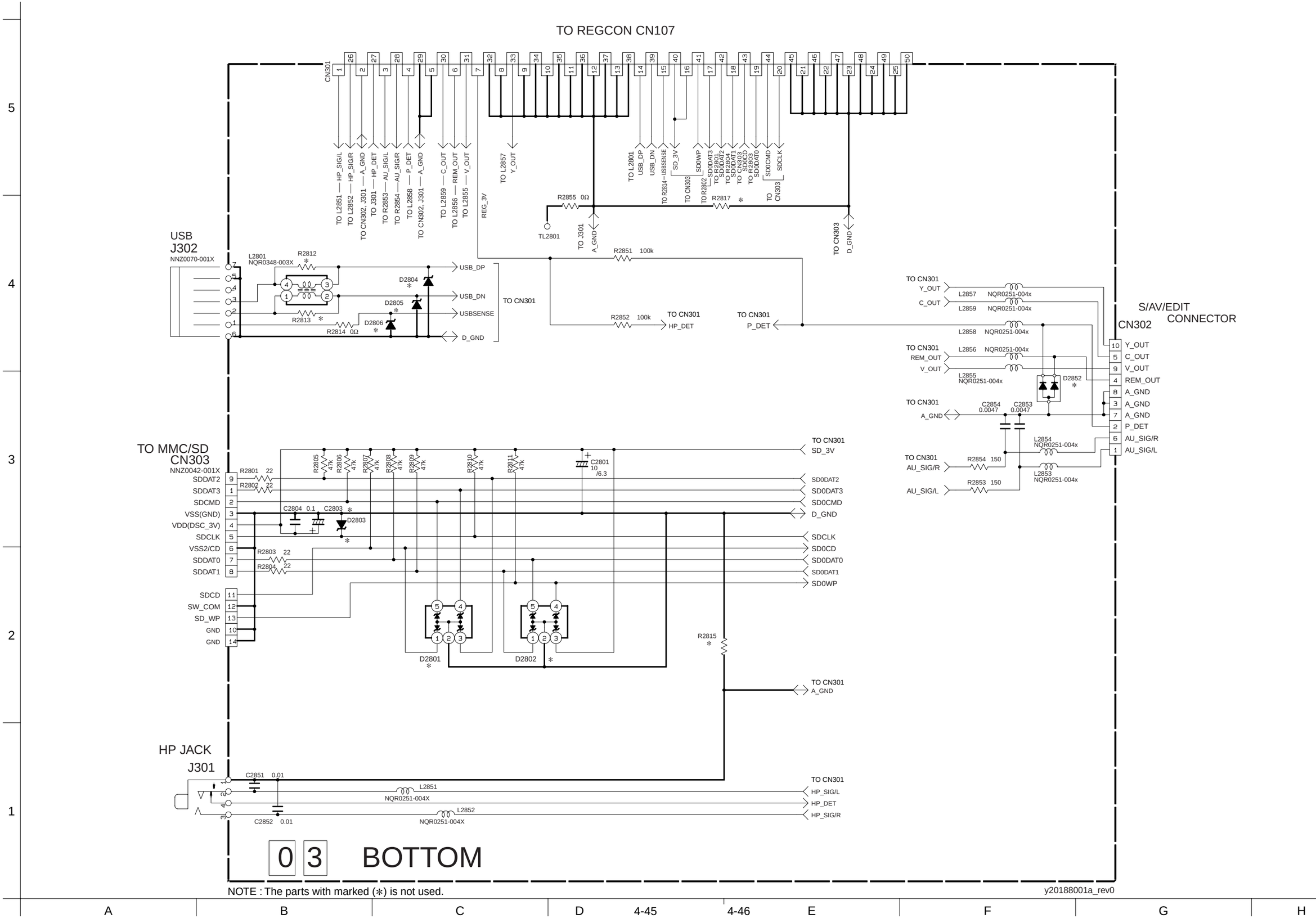
02 OP MDA (OPDRV)



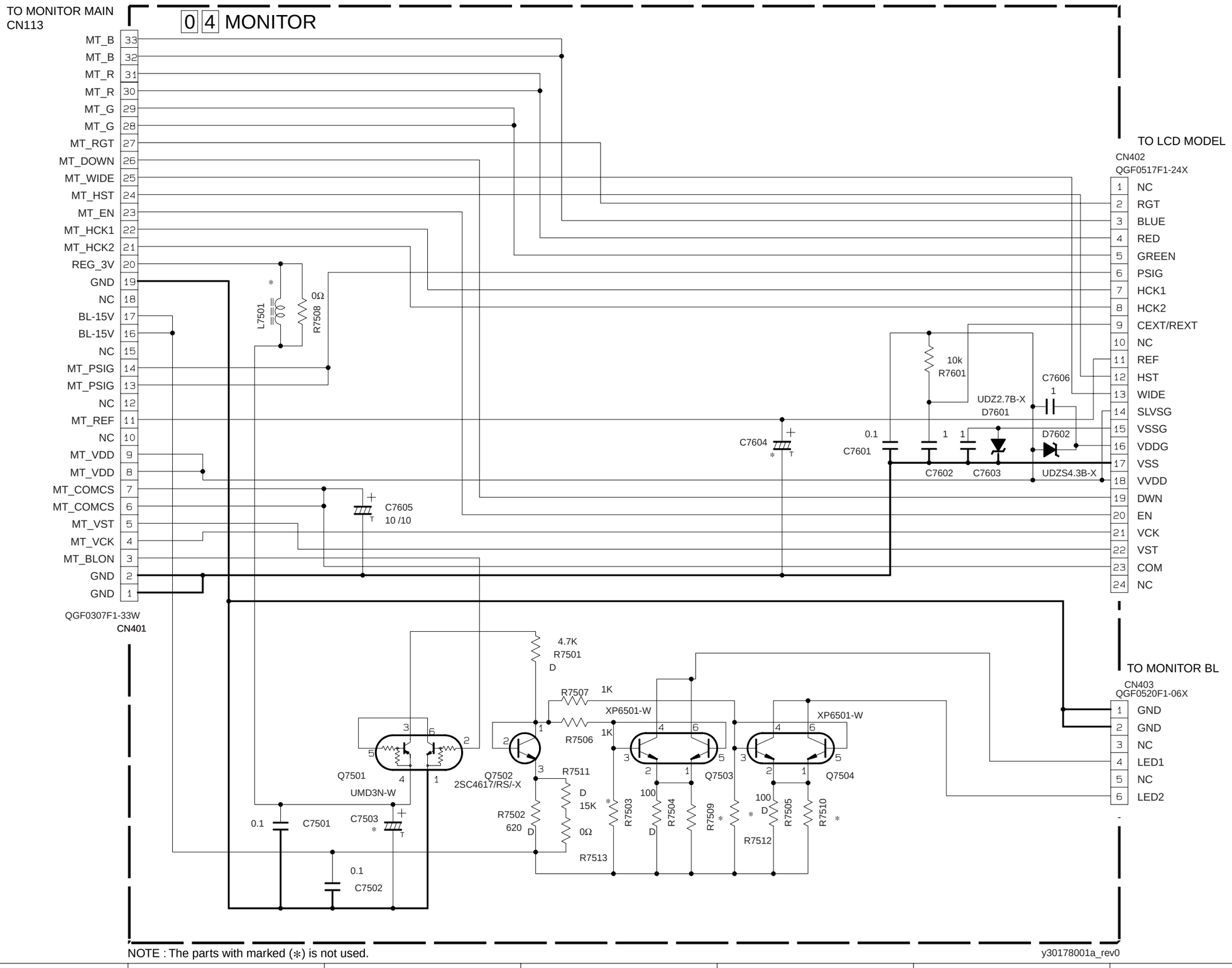
NOTE : The parts with marked (*) is not used.

y20191001a_rev0

4.22 BOTTOM SCHEMATIC DIAGRAM



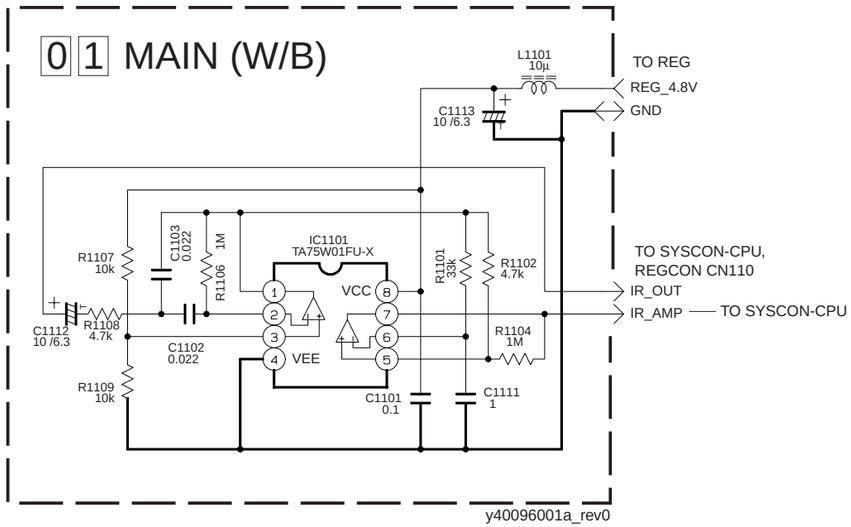
4.23 MONITOR SCHEMATIC DIAGRAM



NOTE : The parts with marked (∗) is not used.

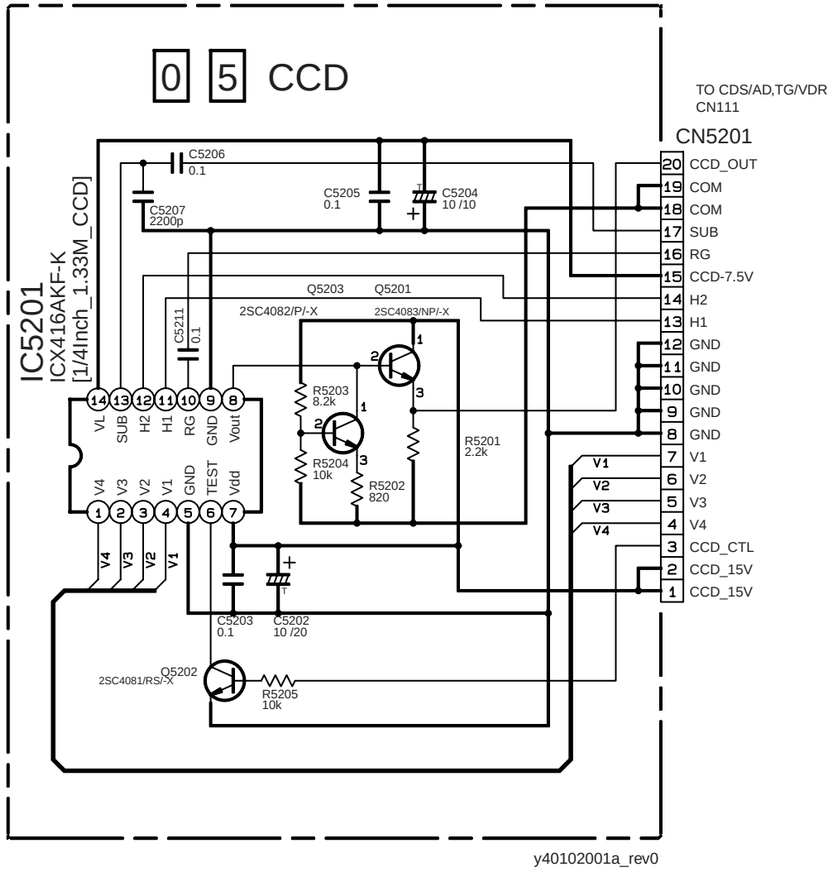
y30178001a_rev0

- W/B -

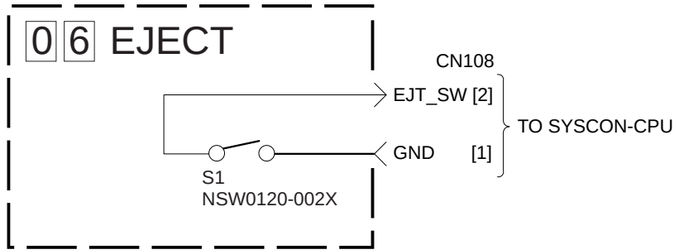


NOTE : ● IC5201 is incorporated in the CCD base assembly. When IC5201 needs replacement, replace the CCD base assembly in whole because it cannot be replaced alone.

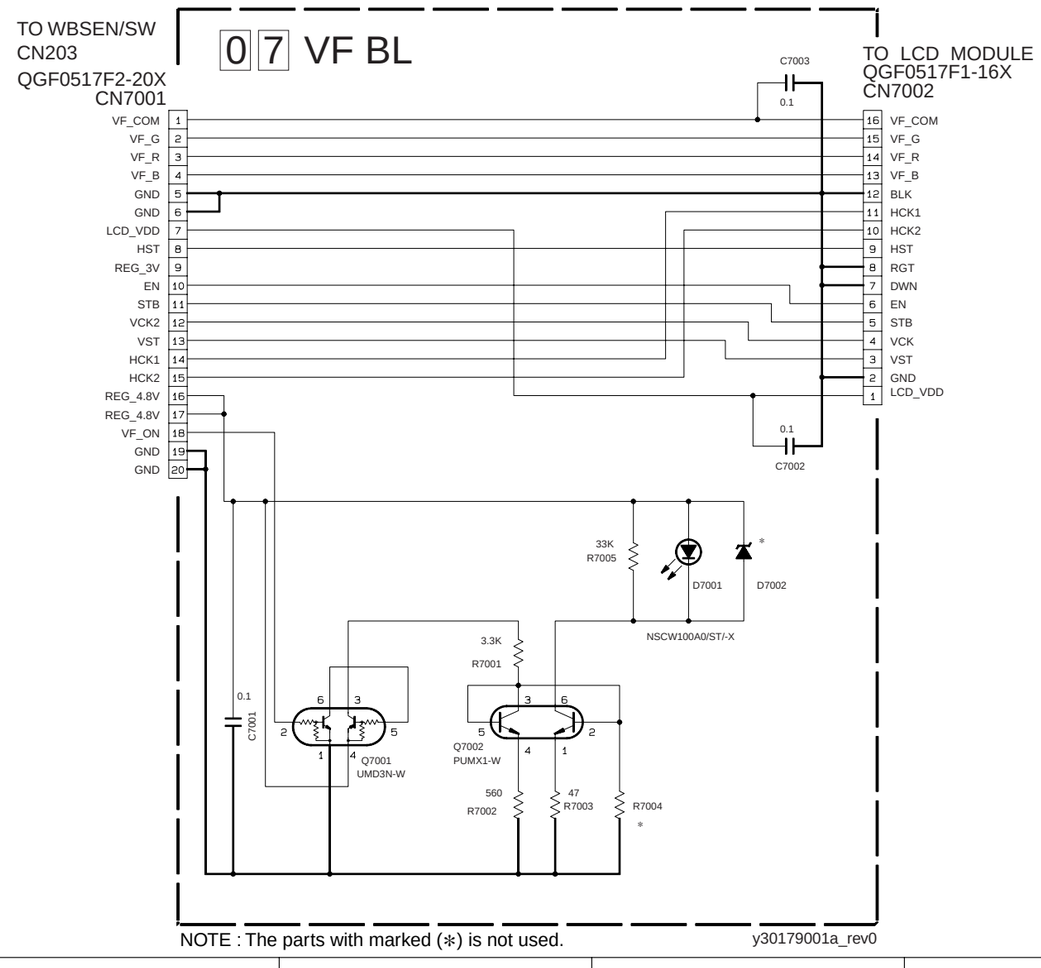
- CCD -



- EJECT -



- VF BL -

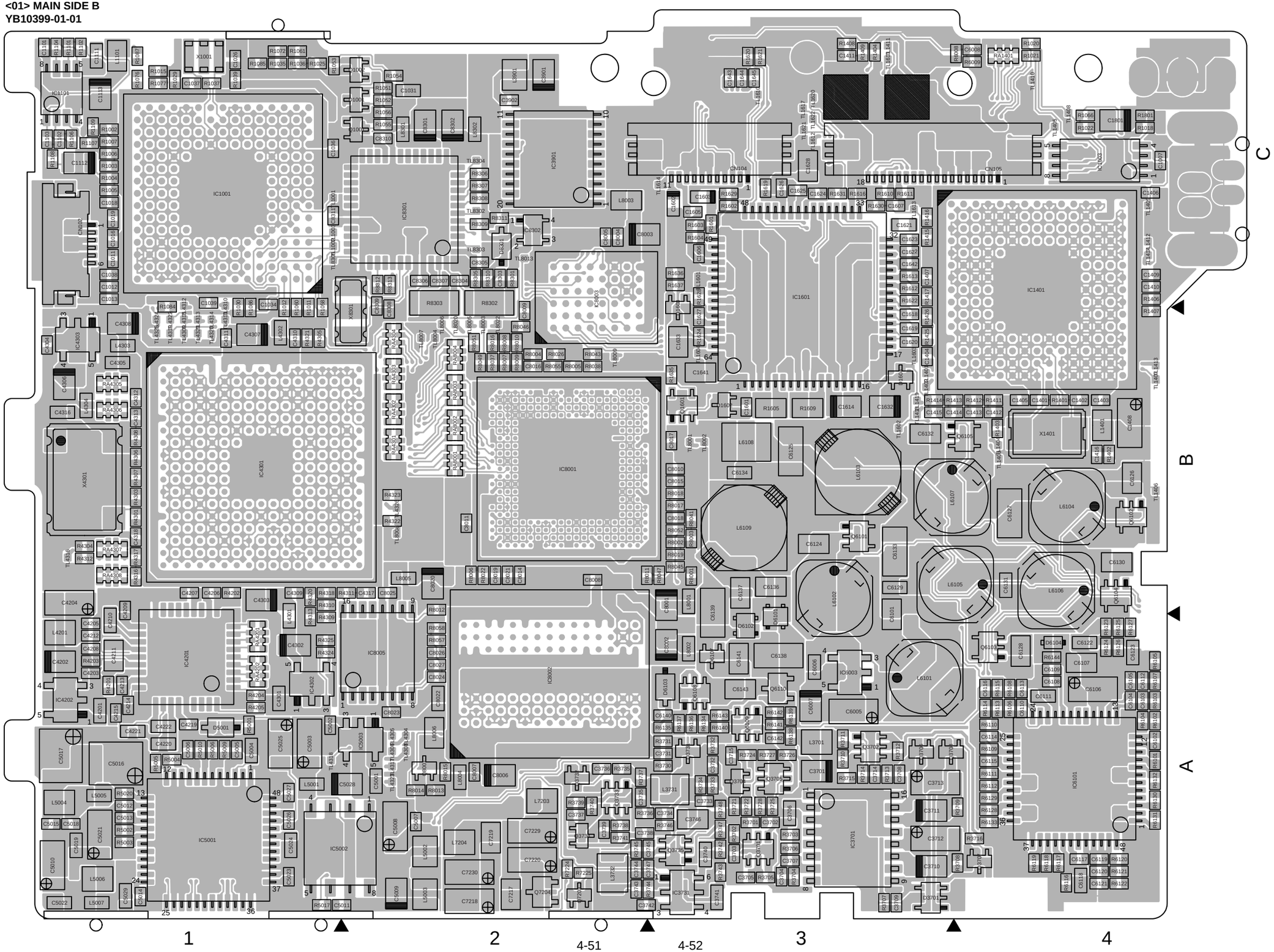


NOTE : The parts with marked (*) is not used.

y30179001a_rev0

4.26 MAIN CIRCUIT BOARD

<01> MAIN SIDE B
YB10399-01-01



REF.NO.	LOCATION
CAPACITOR	
C1003	A C 1C
C1004	A C 3A
C1006	A C 3B
C1007	B C 4C
C1011	B C 1C
C1012	B C 1C
C1013	B C 1C
C1015	A C 1C
C1016	B C 1C
C1017	A C 1C
C1018	B C 1C
C1019	B C 1C
C1023	A C 3B
C1026	B C 1C
C1027	A C 1C
C1028	A C 1C
C1029	A C 1C
C1030	A C 1C
C1031	B C 2C
C1034	B C 1C
C1036	B C 2C
C1037	B C 1C
C1038	B C 1C
C1039	B C 1C
C1101	B C 1C
C1102	B C 1C
C1103	B C 1C
C1111	B C 1C
C1112	B C 1C
C1113	B C 1C
C1401	B C 4B
C1402	B C 4B
C1403	B C 4B
C1404	B C 4B
C1405	B C 4B
C1406	B C 4C
C1407	B C 4C
C1408	B C 4B
C1409	B C 4C
C1410	B C 4C
C1411	B C 3C
C1412	B C 4B
C1413	B C 4B
C1414	B C 4B
C1415	B C 4B
C1416	B C 4B
C1601	B C 3B
C1602	B C 3C
C1603	B C 3C
C1605	B C 3C
C1606	B C 3C
C1607	B C 3C
C1614	B C 3B
C1618	B C 3B
C1619	B C 3B
C1620	B C 3B
C1621	B C 3C
C1622	B C 3C
C1623	B C 3C
C1624	B C 3C
C1625	B C 3C
C1626	B C 3C
C1627	B C 3B
C1628	B C 3C
C1632	B C 3B
C1633	B C 3B
C1641	B C 3B
C1642	B C 3C
C1643	B C 3C
C1644	B C 3C
C1645	B C 3C
C1701	A C 4C
C1702	A C 4C
C1801	B C 4C
C2101	A C 2B
C2102	A C 2B
C2103	A C 2B
C2104	A C 2B
C2105	A C 2B
C2106	A C 2B
C2107	A C 2B
C2108	A C 2B
C2109	A C 2B
C2110	A C 2B
C2111	A C 2B
C2112	A C 2B
C2113	A C 2B
C2114	A C 2B
C2201	A C 1B
C2202	A C 1B
C2203	A C 1B
C2204	A C 1B
C2205	A C 1B
C2206	A C 1B
C2207	A C 2B
C2208	A C 2B
C2209	A C 2C

REF.NO.	LOCATION
C2210	A C 2C
C2211	A C 2B
C2212	A C 2B
C2213	A C 2C
C2214	A C 2B
C2215	A C 2B
C2216	A C 2B
C2217	A C 1C
C2218	A C 1C
C2219	A C 1C
C2220	A C 1C
C2221	A C 1C
C2222	A C 2C
C2223	A C 2B
C2224	A C 2B
C2225	A C 2B
C2226	A C 1B
C2227	A C 2B
C2401	A C 1B
C2402	A C 1B
C2403	A C 1C
C2404	A C 1B
C2405	A C 1B
C2406	A C 2C
C2601	A C 1C
C2602	A C 1C
C2603	A C 1C
C2604	A C 1B
C2605	A C 1C
C2606	A C 1B
C2607	A C 1C
C2608	A C 1B
C2609	A C 1C
C2610	A C 1B
C2611	A C 1C
C2612	A C 1B
C2613	A C 1C
C2614	A C 1B
C2615	A C 1C
C2701	A C 4A
C2907	A C 1B
C3001	A C 4C
C3002	A C 4B
C3003	A C 4B
C3004	A C 3C
C3005	A C 4B
C3006	A C 4B
C3007	A C 3B
C3008	A C 4B
C3010	A C 3C
C3011	A C 3C
C3012	A C 3C
C3013	A C 3C
C3015	A C 3C
C3016	A C 3C
C3017	A C 3C
C3018	A C 3C
C3019	A C 3B
C3020	A C 3C
C3021	A C 3C
C3022	A C 3B
C3023	A C 3B
C3024	A C 3B
C3025	A C 3B
C3026	A C 3C
C3027	A C 3C
C3028	A C 4C
C3029	A C 3C
C3030	A C 3B
C3031	A C 3B
C3032	A C 3B
C3033	A C 3B
C3034	A C 3B
C3035	A C 3B
C3036	A C 3B
C3037	A C 3B
C3038	A C 3B
C3039	A C 3C
C3040	A C 3C
C3041	A C 3C
C3042	A C 3B
C3043	A C 3C
C3044	A C 3C
C3045	A C 3C
C3046	A C 3C
C3047	A C 3B
C3048	A C 4C
C3049	A C 3C
C3050	A C 3B
C3051	A C 4C
C3052	A C 4C
C3053	A C 4C
C3054	A C 4C
C3055	A C 4B
C3056	A C 4C
C3057	A C 4C
C3058	A C 4C
C3059	A C 3C

REF.NO.	LOCATION
C3060	A C 4B
C3061	A C 4C
C3062	A C 4C
C3063	A C 3C
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C3501	A C 3B
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C4207	B C 1B
C4208	B C 1A
C4209	B C 1B
C4210	B C 1A
C4211	B C 1A
C4212	B C 1A

REF.NO.	LOCATION
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C4214	B C 1A
C4215	B C 1A
C4219	B C 1A
C4220	B C 1A
C4221	B C 1A
C4222	B C 1A
C4223	A C 1A
C4301	B C 1A
C4302	B C 1A
C4303	B C 1B
C4304	B C 1B
C4305	B C 1B
C4306	B C 1B
C4307	B C 1B
C4308	B C 1B
C4309	B C 1B
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C4313	B C 1B
C4316	B C 1B
C4317	B C 2B
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C5019	B C 1A
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C6111	B C 4A
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C6113	B C 4A
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C6122	B C 4A
C6123	B C 4A
C6124	B C 3B
C6125	B C 3B
C6126	B C 4B
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C6132	B C 4B
C6133	B C 3B
C6134	B C 3B
C6135	A C 3A
C6136	B C 3B
C6137	B C 3B

REF.NO.	LOCATION
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C6141	B C 3A
C6142	B C 3A
C6143	B C 3A
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C7102	A C 1A
C7103	A C 2A
C7104	A C 2A
C7105	A C 2A
C7106	A C 2B
C7107	A C 1B
C7108	A C 1B
C7109	A C 1B
C7110	A C 2B
C7111	A C 2B
C7112	A C 1B
C7113	A C 1B
C7114	A C 1B
C7115	A C 2B
C7116	A C 2A
C7117	A C 2A
C7118	A C 2A
C7119	A C 2A
C7120	A C 2B
C7121	A C 2B
C7122	A C 2B
C7123	A C 2B
C7124	A C 1A
C7125	A C 1A
C7126	A C 2B
C7127	A C 2B
C7128	A C 1A
C7201	A C 3A
C7202	A C 2A
C7203	A C 2A
C7204	A C 2A
C7205	A C 3A
C7206	A C 2A
C7207	A C 2A
C7208	A C 2A
C7209	A C 2B
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C7230	B C 2A
C7231	A C 3A
C7301	A C 2A
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C8007	B C 2A
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C8024	B C 2A
C8025	B C 2B
C8026	B C 2A
C8027	B C 2A
C8301	B C 2C
C8302	B C 2C
C8303	B C 2C
C8304	B C 2C

REF.NO.	LOCATION
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C8307	B C 2C
C8308	B C 2B
C8309	B C 2C
C8310	B C 2C
C8311	B C 2C
C8501	A C 4A
C8502	A C 4B
C8503	A C 4B
C8504	A C 4A
C8505	A C 4A
CONNECTOR	
CN101	A C 2C
CN102	B C 1C
CN103	A C 1C
CN104	B C 3C
CN105	B C 4C
CN106	A C 4B
CN107	A C 4A
CN108	A C 4C
CN109	A C 1C
CN110	A C 1B
CN111	A C 1A
CN112	A C 1A
CN113	A C 2A
CN114	A C 3A
CN115	A C 1C
CN601	A D 3C
DIODE	
D1001	B C 2C
D1002	A C 4A
D1602	B C 3B
D1603	B C 3B
D1604	B C 3B
D2201	A C 2B
D2202	A C 2C
D2203	A C 1C
D2601	A C 1C
D2602	A C 1C
D2701	A C 4A
D2702	A C 4A
D2703	A C 4A
D2704	A C 4A
D2705	A C 4A
D3001	A C 3B
D3002	A C 3B
D3003	A C 3B
D3004	A C 4C
D3701	B C 4A
D5001	B C 1A
D6001	A C 3A
D6002	A C 4A
D6101	B C 3A
D6102	B C 3A
D6103	B C 3A
D6104	B C 4A
D7101	A C 2A
D7301	A C 2A
D7302	A C 2A
D8301	B C 2C
FUSE	
F6101	A C 4C
F6102	A C 4B
F6103	A C 3B
IC	
IC1001	B C 1C
IC1002	A C 3B
IC1003	B C 4C
IC1006	A C 3B
IC1007	A C 4A
IC1008	A C 4A
IC1101	B C 1C
IC1401	B C 4C
IC1601	B C 3C
IC1701	A C 4C
IC1702	A C 4C
IC1801	A D 4C
IC2101	A C 2B
IC2201	A C 1B
IC3001	A C 3C
IC3002	A C 4C
IC3003	A C 4B
IC3004	A C 4B
IC3005	A C 4C
IC3501	A C 2C
IC3701	B C 3A
IC3731	B C 3A
IC3801	A C 3A
IC3802	A C 3A
IC3901	B C 2C
IC4201	B C 1A
IC4202	B C 1A
IC4301	B C 1B
IC4302	B C 2A

REF.NO.	LOCATION
IC4303	B C 1B
IC5001	B C 1A
IC5002	B C 2A
IC5003	B C 2A
IC6001	A C 3B
IC6002	A C 4A
IC6003	B C 3A
IC6101	B C 4A
IC7101	A C 1B
IC7201	A C 2A
IC7202	A C 3B
IC7301	A C 2A
IC8001	B C 2B
IC8002	B C 2A
IC8003	B C 2C
IC8005	B C 2A
IC8301	B C 2C
IC8302	B C 2C
IC8501	A C 4B
COIL	
L1002	A C 4A
L1101	B C 1C
L1401	B C 4B
L2101	A C 2B
L2401	A C 1B
L2402	A C 1C
L2601	A C 1C
L2602	A C 1C
L2603	A C 1C
L2701	A C 4A
L3001	A C 4C
L3002	A C 3B
L3003	A C 3C
L3004	A C 4B
L3005	A C 3B
L3006	A C 4B
L3007	A C 3B
L3008	A C 3B
L3009	A C 3B
L3010	A C 4C
L3011	A C 4C
L3012	A C 4B
L3013	A C 4B
L3501	A C 3C
L3502	A C 3B
L3503	A C 2B
L3504	A C 2B
L3505	A C 2C
L3701	B C 3A
L3731	B C 3A
L3732	B C 3A
L3801	A C 3A
L3802	A C 3A
L3803	A C 3A
L3804	A C 3A
L3901	B C 2C
L4201	B C 1A
L4301	B C 1A
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L5003	B C 2A
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L5005	B C 1A
L5006	B C 1A
L5007	B C 1A
L6001	A C 4A
L6101	B C 4A
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L6103	B C 3B
L6104	B C 4B
L6105	B C 4B
L6106	B C 4B
L6107	B C 4B
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L7104	A C 1A
L7201	A C 2B
L7202	A C 3A
L7203	B C 2A
L7204	B C 2A
L7205	A C 2A
L7301	A C 2A
L8001	B C 3B
L8002	B C 3A
L8003	B C 3C
L8004	B C 2A
L8005	B C 2B
L8006	B C 2A
L8301	B C 2C
L8302	B C 2C
L8501	A C 4A

REF.NO.	LOCATION
TRANSISTOR	
Q1001	B C 2C
Q1002	B C 2C
Q1003	A C 4A
Q1004	A C 4A
Q1006	A C 1C
Q1007	A C 1C
Q1401	A C 4B
Q1402	A C 4B
Q1403	A C 4B
Q1601	B C 3B
Q2101	A C 2B
Q2201	A C 2B
Q2401	A C 1B
Q2402	A C 1C
Q2403	A C 1B
Q2701	A C 4A
Q2702	A C 4A
Q3001	A C 4B
Q3002	A C 3C
Q3701	B C 3A
Q3702	B C 3A
Q3704	B C 3A
Q3705	B C 3A
Q3706	B C 4A
Q3707	B C 4A
Q3708	B C 4A
Q3731	B C 3A
Q3732	B C 2A
Q3733	B C 3A
Q3734	B C 2A
Q3735	B C 3A
Q6001	A C 4B
Q6002	A C 4B
Q6003	A C 3B
Q6004	A C 3A
Q6101	B C 3B
Q6102	B C 4B
Q6103	B C 4A
Q6104	B C 4B
Q6105	B C 4B
Q6106	A C 3A
Q6107	B C 3A
Q6108	B C 3A
Q6109	B C 3A
Q6110	B C 3A
Q7101	A C 2B
Q7102	A C 2B
Q7203	B C 2A
Q7204	B C 2A
Q8001	B C 2A
RESISTOR	
R1001	A C 4A
R1002	B C 1C
R1003	B C 1C
R1004	B C 1C
R1005	B C 1C
R1006	B C 1C
R1007	B C 1C
R1010	A C 1C
R1011	B C 2B
R1012	B C 1B
R1015	B C 1C
R1016	A C 4A
R1017	A C 1C
R1018	B C 4C
R1020	B C 4C
R1021	B C 4C
R1022	B C 4C
R1025	B C 2C
R1026	A C 4A
R1029	B C 1C
R1030	B C 1B
R1033	A C 1A
R1034	A C 1A
R1035	B C 1C
R1036	B C 1C
R1037	B C 1C
R1039	B C 1C
R1040	A C 1A
R1041	A C 1A
R1042	A C 1A
R1043	A C 1A
R1044	A C 1C
R1045	A C 1C
R1046	A C 1C
R1047	A C 1C
R1048	A C 1C
R1049	A C 1C
R1050	A C 1C
R1051	B C 2C
R1052	B C 2C
R1053	B C 2C
R1054	B C 2C
R1055	B C 2C
R1056	B C 2C
R1058	B C 2B
R1060	B C 1B

REF.NO.	LOCATION
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R1066	B C 4C
R1072	B C 1C
R1076	B C 1C
R1077	B C 1C
R1084	B C 1C
R1085	B C 1C
R1086	B C 1B
R1087	B C 1C
R1101	B C 1C
R1102	B C 1C
R1104	B C 1C
R1106	B C 1C
R1107	B C 1C
R1108	B C 1C
R1109	B C 1C
R1401	B C 4B
R1402	B C 4B
R1403	B C 4B
R1404	B C 3C
R1405	A C 4B
R1406	B C 4C
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R2210	A C 2C
R2211	A C 2C
R2212	A C 1C
R2213	A C 1C
R2214	A C 2B
R2215	A C 2B

REF.NO.	LOCATION
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R2218	A C 2C
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R2220	A C 1C
R2221	A C 1C
R2222	A C 1C
R2223	A C 1C
R2224	A C 1C
R2225	A C 1C
R2226	A C 1C
R2227	A C 2B
R2228	A C 2B
R2229	A C 1B
R2230	A C 2B
R2401	A C 1B
R2402	A C 1B
R2403	A C 1B
R2404	A C 1C
R2405	A C 1C
R2406	A C 1C
R2407	A C 1B
R2408	A C 1B
R2409	A C 1B
R2601	A C 1C
R2602	A C 1C
R2603	A C 1C
R2604	A C 1C
R2605	A C 1C
R2606	A C 1B
R2607	A C 1C
R2608	A C 1B
R2609	A C 1C
R2610	A C 1B
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R2702	A C 4A
R2703	A C 4A
R2704	A C 4A
R2705	A C 4A
R2706	A C 4A
R2707	A C 4A
R2708	A C 4A
R2709	A C 4A
R2710	A C 4A
R2711	A C 4A
R2712	A C 4A
R2909	A C 1B
R2914	A C 1B
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R3005	A C 4B
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R3007	A C 3B
R3008	A C 3B
R3009	A C 3B
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R3050	A C 4B
R3051	A C 3B
R3052	A C 3C
R3053	A C 3C
R3054	A C 3C
R3055	A C 3C

REF.NO.	LOCATION
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R3057	A C 3C
R3058	A C 3B
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R3502	A C 2C
R3503	A C 2C
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R3508	A C 2C
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R3522	A C 3C
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R3525	A C 2C
R3526	A C 2B
R3527	A C 2B
R3701	B C 3A
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R3703	B C 3A
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R3707	B C 3A
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R3712	B C 3A
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R3714	B C 3A
R3715	B C 3A
R3716	B C 4A
R3721	B C 3A
R3722	B C 3A
R3724	B C 3A
R3725	B C 3A
R3726	B C 3A
R3727	B C 3A
R3728	B C 3A
R3730	B C 3A
R3731	B C 3A
R3732	B C 3A
R3733	B C 3A
R3734	B C 3A
R3735	B C 3A
R3736	B C 3A
R3737	B C 3A
R3738	B C 3A
R3739	B C 2A
R3740	B C 2A
R3741	B C 3A
R3742	B C 3A
R3743	B C 3A
R3744	B C 3A
R3745	B C 3A
R3746	B C 3A
R3747	B C 3A
R3748	B C 3A
R3801	A C 3A
R3802	A C 3A
R3803	A C 3A
R3804	A C 3A
R3805	A C 3A
R3806	A C 3A
R3807	A C 3A
R3808	A C 3A
R3809	A C 3A
R4201	B C 1A
R4202	B C 1B
R4203	B C 1A
R4204	B C 1A
R4205	B C 1A
R4301	B C 1B
R4303	B C 1B
R4304	B C 1B
R4305	B C 2B
R4306	B C 1B
R4307	B C 1B
R4308	B C 1B
R4309	B C 2A
R4310	B C 2B
R4311	B C 2B
R4312	B C 1B
R4313	B C 2A
R4316	B C 1B
R4317	B C 1B
R4318	B C 2B
R4320	B C 2B
R4321	B C 2B
R4322	B C 2B
R4323	B C 2B
R4324	B C 2A
R4325	B C 2A
R5001	B C 1A
R5002	B C 1A

REF.NO.	LOCATION
R5003	B C 1A
R5004	B C 1A
R5005	B C 1A
R5006	B C 1A
R5009	B C 1A
R5010	B C 1A
R5017	B C 2A
R5020	B C 1A
R6001	A C 3B
R6002	A C 3B
R6003	A C 3B
R6004	A C 4B
R6005	A C 3B
R6006	A C 3B
R6007	A C 3B
R6008	B C 4C
R6009	B C 4C
R6010	A C 3A
R6011	A C 3A
R6101	B C 4A
R6102	B C 4A
R6103	B C 4A
R6104	B C 4A
R6105	B C 4A
R6106	B C 4A
R6107	B C 4A
R6108	B C 4A
R6109	B C 4A
R6110	B C 4A
R6111	B C 4A
R6112	B C 4A
R6113	B C 4A
R6114	B C 4A
R6115	B C 4A
R6116	B C 4A
R6117	B C 4A
R6118	B C 4A
R6119	B C 4A
R6120	B C 4A
R6121	B C 4A
R6122	B C 4A
R6123	B C 4A
R6124	B C 4A
R6125	B C 4A
R6126	B C 4A
R6127	B C 4A
R6128	B C 4A
R6129	B C 4A
R6130	B C 4A
R6131	B C 4A
R6132	B C 4A
R6133	B C 4A
R6134	B C 3A
R6135	B C 3A
R6136	B C 3A
R6137	B C 3A
R6138	B C 3A
R6139	B C 3A
R6140	B C 3A
R6141	B C 3A
R6142	B C 3A
R6143	B C 3A
R6144	B C 4A
R7101	A C 2A
R7102	A C 2A
R7103	A C 1A
R7104	A C 1A
R7105	A C 1A
R7106	A C 1A
R7107	A C 1A
R7108	A C 1A
R7109	A C 1A
R7110	A C 2A
R7111	A C 2A
R7112	A C 1B
R7113	A C 1B
R7114	A C 1B
R7115	A C 2B
R7116	A C 2B
R7117	A C 2B
R7118	A C 1A
R7119	A C 1A
R7120	A C 1A
R7121	A C 1A
R7122	A C 1A
R7123	A C 1A
R7124	A C 1A
R7201	A C 2A
R7202	A C 2A
R7203	A C 2A
R7204	A C 2A
R7205	A C 2A
R7206	A C 2A
R7207	A C 2A
R7213	A C 2A
R7214	A C 2A
R7215	A C 2B
R7216	A C 2B
R7217	A C 2B

REF.NO.	LOCATION
R7218	A C 2B
R7219	A C 2B
R7220	A C 2B
R7221	A C 2B
R7222	A C 3B
R7223	A C 3A
R7224	B C 2A
R7225	B C 2A
R7226	A C 3A
R7227	A C 3A
R7228	A C 2A
R7229	A C 2A
R7230	A C 3A
R7301	A C 2A
R7302	A C 2A
R7303	A C 2A
R7304	A C 2A
R7305	A C 2A
R7306	A C 2A
R7307	A C 2A
R7308	A C 2A
R7309	A C 2A
R8001	B C 3B
R8002	B C 3B
R8003	B C 3B
R8004	B C 2B
R8005	B C 2B
R8006	B C 2B
R8007	B C 2B
R8008	B C 2B
R8009	B C 2B
R8010	B C 2B
R8011	B C 3B
R8012	B C 2B
R8013	B C 2A
R8014	B C 2A
R8015	B C 2A
R8016	B C 2B
R8017	B C 3B
R8018	B C 3B
R8019	B C 3B
R8022	B C 2B
R8026	B C 2B
R8037	B C 2B
R8038	B C 2B
R8041	B C 3B
R8043	B C 2B
R8045	B C 3B
R8046	B C 2B
R8047	B C 3B
R8049	B C 2B
R8051	B C 2B
R8052	B C 3B
R8055	B C 2B
R8057	B C 2A
R8058	B C 2A
R8301	B C 2C
R8302	B C 2C
R8303	B C 2C
R8305	B C 2C
R8306	B C 2C
R8307	B C 2C
R8308	B C 2C
R8309	B C 2C
R8310	B C 2C
R8311	B C 2C
R8312	B C 2C
R8313	B C 2C
R8502	A C 4A
R8503	A C 4A
R8504	A C 4B
R8505	A C 4B
RA1008	A C 1C
RA1009	A C 1C
RA1010	A C 1C
RA1401	B C 4C
RA3001	A C 3B
RA3002	A C 3B
RA4201	B C 1A
RA4202	B C 1A
RA4301	B C 2B
RA4302	B C 2B
RA4303	B C 2B
RA4304	B C 2B
RA4305	B C 1B
RA4306	B C 1B
RA4307	B C 1B
RA4308	B C 1B
RA8001	B C 2B
RA8002	B C 2B
RA8003	B C 2B
RA8004	B C 2B
OTHER	
J101	A D 4C
S1001	A C 1C
TL1001	B C 2C
TL1002	B C 2C
TL1003	B C 2C

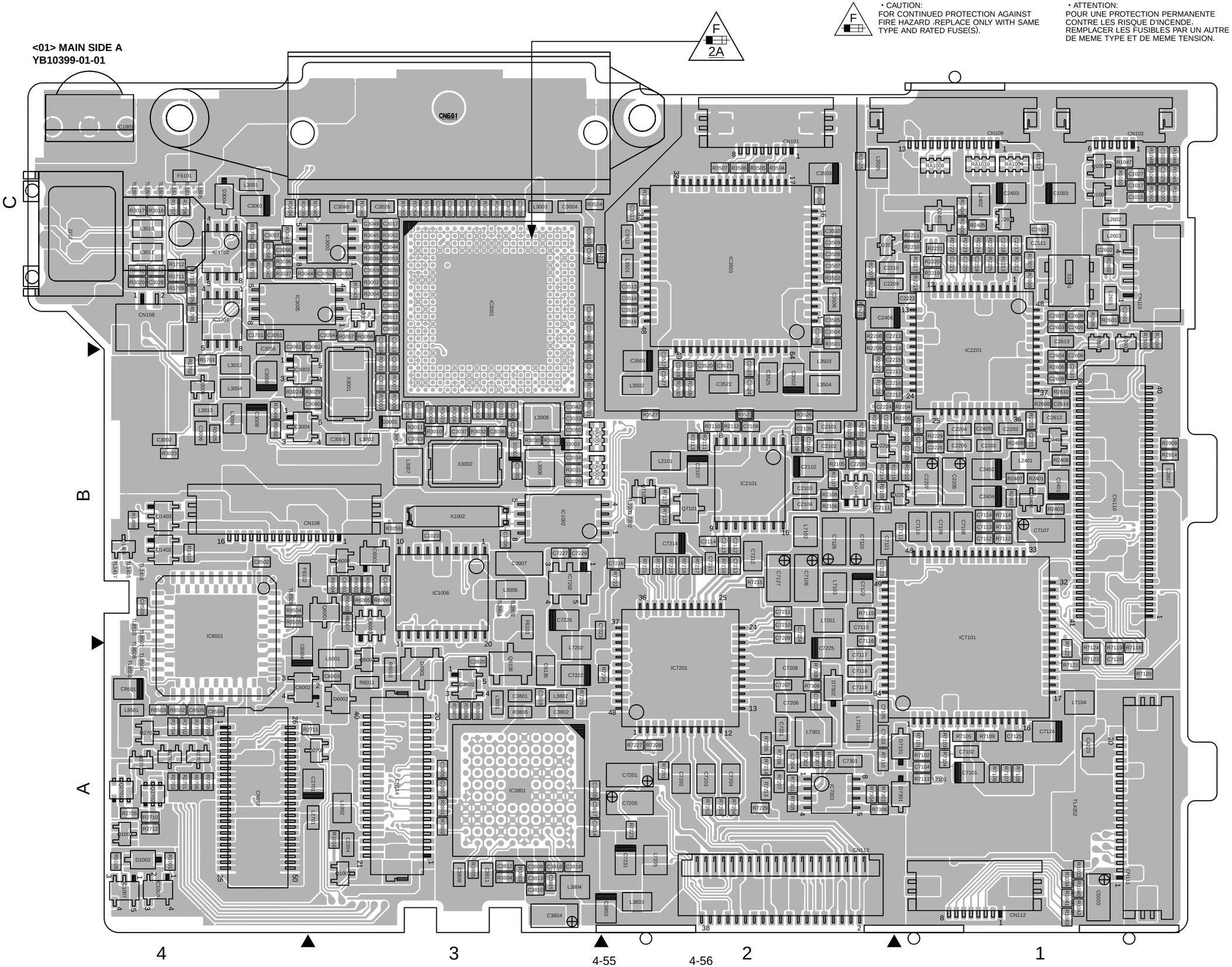
REF.NO.	LOCATION
TL1401	B C 4B
TL1402	B C 4B
TL1403	B C 4B
TL1404	B C 4B
TL1405	B C 4C
TL1406	B C 4B
TL1407	B C 4B
TL1408	B C 4C
TL1409	B C 4C
TL1410	B C 4C
TL1411	B C 3C
TL1412	B C 4C
TL1413	B C 4B
TL1414	B C 4C
TL1601	B C 3C
TL1602	B C 3B
TL1603	B C 3B
TL1604	B C 3B
TL1605	A C 4C
TL1606	A C 4C
TL1607	A C 4C
TL1608	A C 4C
TL1610	B C 3C
TL1611	B C 3C
TL1612	B C 3C
TL1613	B C 3C
TL1614	B C 3C
TL1617	B C 3C
TL1618	A C 4C
TL1619	A C 4C
TL1620	B C 3C
TL1621	B C 3C
TL1622	B C 3C
TL3001	A C 3B
TL3801	A C 3B
TL3802	A C 3B
TL4202	A C 1A
TL4304	B C 2A
TL4305	B C 2A
TL4306	B C 2A
TL4308	B C 2A
TL4309	B C 1B
TL4310	B C 1C
TL4311	B C 1B
TL4312	B C 1C
TL4313	B C 1B
TL4314	B C 1B
TL4315	B C 1B
TL4316	B C 1B
TL4317	B C 2A
TL4318	B C 2A
TL4319	B C 1B
TL4320	B C 1B
TL4321	B C 1B
TL4322	B C 1B
TL4323	B C 2A
TL4324	B C 1B
TL4325	B C 1B
TL4326	B C 2B
TL7101	A C 1A
TL7201	A C 3B
TL7202	A C 3B
TL8001	B C 3B
TL8002	B C 3B
TL8003	B C 2B
TL8004	B C 2B
TL8005	B C 2B
TL8006	B C 2B
TL8007	B C 2B
TL8008	B C 2B
TL8009	B C 3B
TL8013	B C 2C
TL8020	B C 2B
TL8022	B C 2B
TL8302	B C 2C
TL8303	B C 2C
TL8304	B C 2C
TL8305	B C 2C
TL8502	A C 4A
TL8504	A C 4A
TL8507	A C 4B
TL8508	A C 4A
TL8509	A C 4B
TL8510	A C 4B
X1001	B C 1C
X1002	A C 3B
X1401	B C 4B
X3001	A C 3B
X3002	A C 3B
X4301	B C 1B
X8301	B C 2B

<01> MAIN SIDE A
YB10399-01-01

F
2A

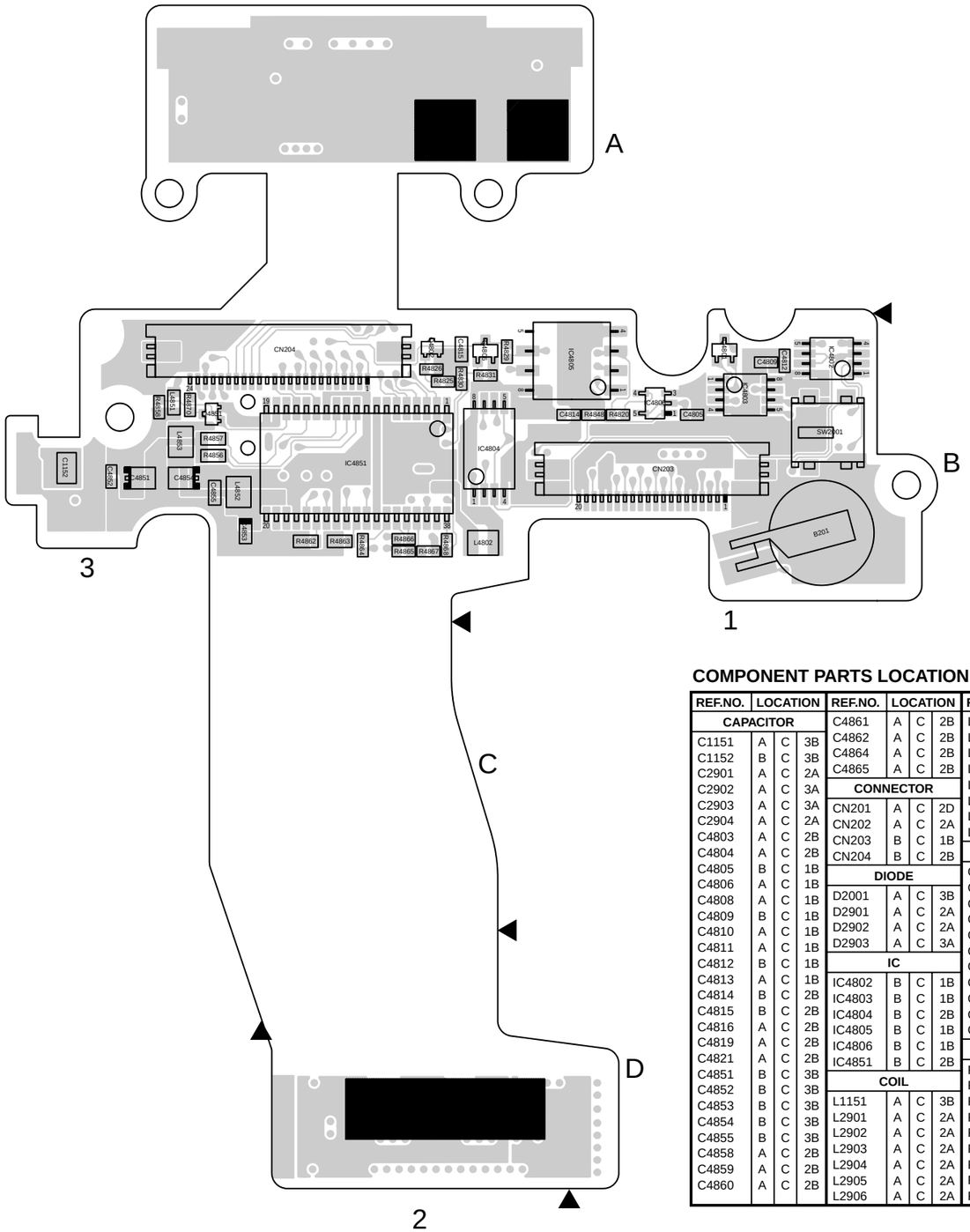
• CAUTION:
FOR CONTINUED PROTECTION AGAINST FIRE HAZARD ,REPLACE ONLY WITH SAME TYPE AND RATED FUSE(S).

• ATTENTION:
POUR UNE PROTECTION PERMANENTE CONTRE LES RISQUE D'INCENDE, REMPLACER LES FUSIBLES PAR UN AUTRE DE MEME TYPE ET DE MEME TENSION.



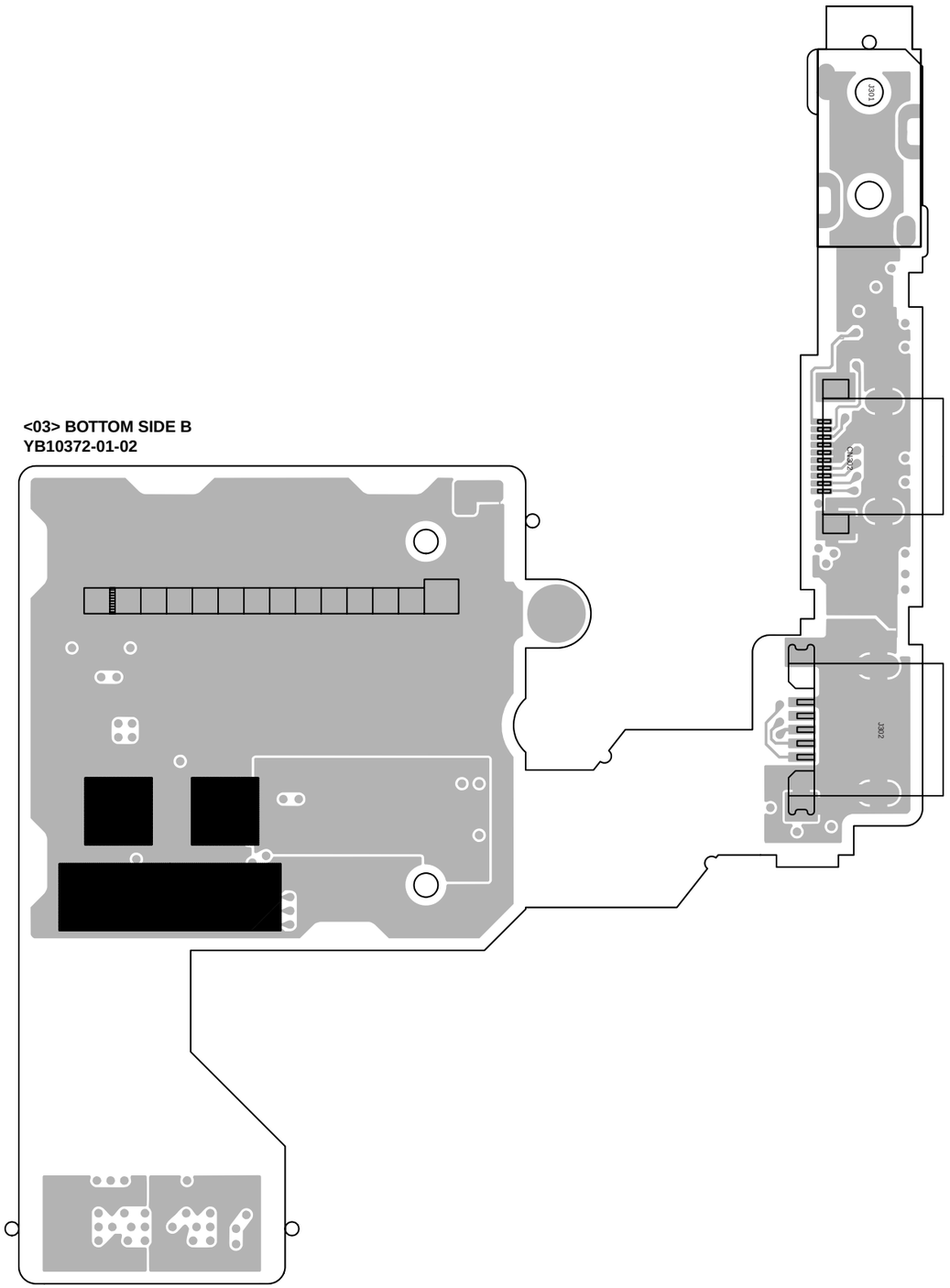
4.27 OP MDA CIRCUIT BOARD

<02> OP MDA SIDE B
YB10371

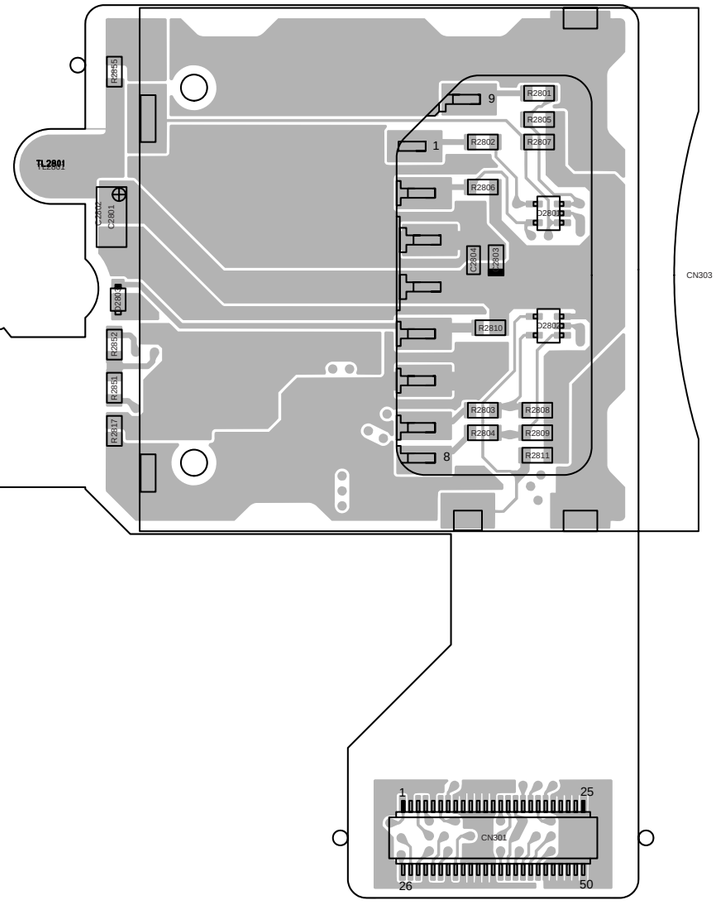


4.28 BOTTOM CIRCUIT BOARD

<03> BOTTOM SIDE B
YB10372-01-02



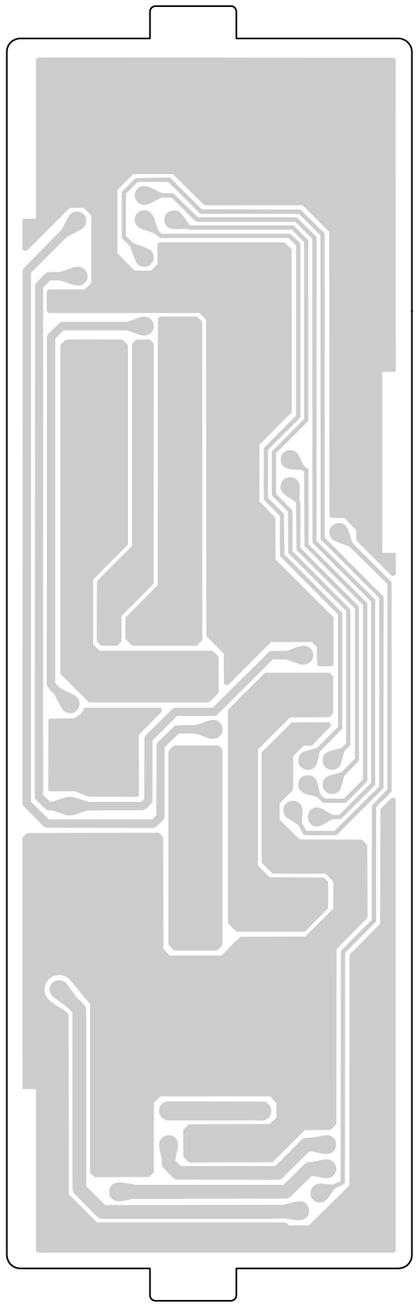
<03> BOTTOM SIDE A
YB10372-01-02



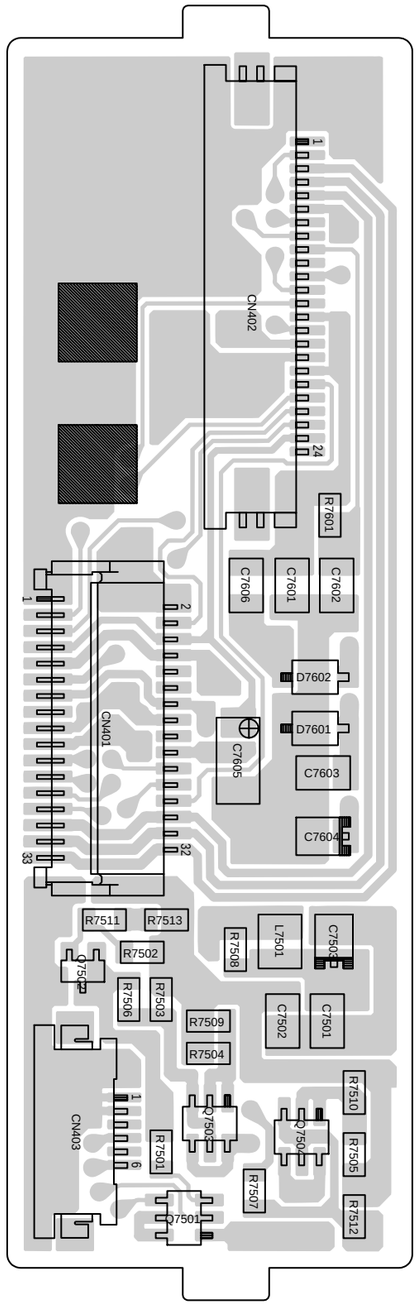
4.29 MONITOR, CCD, EJECT AND VF BL CIRCUIT BOARDS

- MONITOR -

<04> MONITOR SIDE B
YB20933

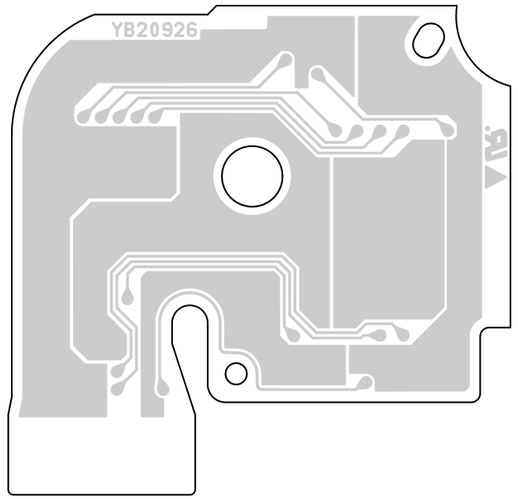


<04> MONITOR SIDE A
YB20933

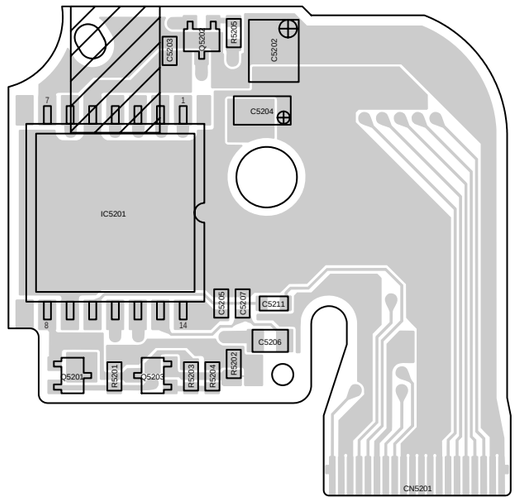


- CCD -

<05> CCD SIDE B
YB20926

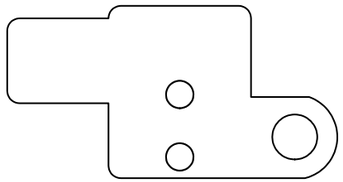


<05> CCD SIDE A
YB20926

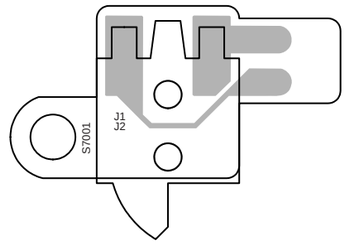


- EJECT -

<06> EJECT SIDE B
YB10372-01-01

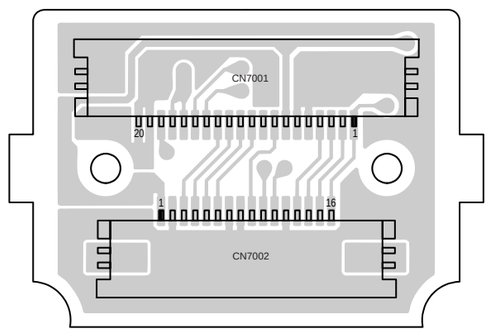


<06> EJECT SIDE A
YB10372-01-01

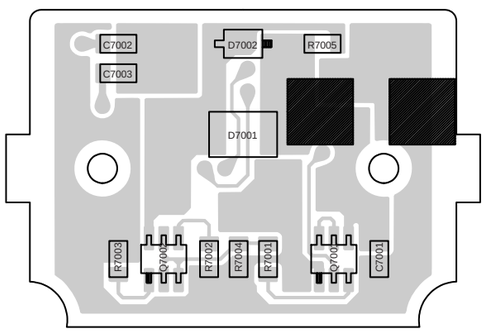


- VF BL -

<07> VF BL SIDE B
YB20933



<07> VF BL SIDE A
YB20933



4.30 VOLTAGE CHARTS

<SYSCON-CPU>

MODE PIN NO.	REC	PLAY
IC1001	-	-
IC1002		
1	0	0
2	3.0	2.9
3	0	0
4	0	0
5	0	3.0
6	0.5	0.5
7	0.5	0.4
8	3.1	3.2
IC1003		
1	3.1	3.1
2	3.1	3.1
3	3.0	3.0
4	0.7	0.7
5	3.1	3.1
6	0	0
7	0.7	0.6
8	3.0	3.0
IC1006		
1	2.6	2.6
2	0.6	0.6
3	0	0
4	3.0	3.0
5	3.1	3.1
6	3.1	3.1
7	1.4	1.4
8	1.5	1.5
9	0	0
10	0	0
11	0	0
12	0	0
13	0	0
14	0	0
15	0	0
16	0	0
17	0	0
18	0	0
19	3.0	3.0
20	2.8	2.8
IC1007		
1	3.0	0
2	3.0	3.0
3	0	0
4	3.0	3.0
5	3.0	3.0
IC1008		
1	3.0	0
2	3.0	3.0
3	0	0
4	0	0
Q1001		
E	0	0
C	0	0
B	0	0
Q1002		
E	0	0
C	3.0	3.1
B	0.5	0.5
Q1003		
E	0	0
C	0.7	0.7
B	0	0

MODE PIN NO.	REC	PLAY
Q1004		
E	0	0
C	0.7	0.7
B	0	0
Q1006		
E	3.1	3.1
C	3.0	0
B	0	3.1
Q1007		
E	0	0
C	0	3.0
B	3.0	0

<W/B>

MODE PIN NO.	REC	PLAY
IC1101		
1	2.4	2.4
2	2.4	2.4
3	2.4	2.4
4	0	0
5	2.4	2.4
6	2.4	2.4
7	1.6	1.7
8	4.7	4.7

<SERVO>

MODE PIN NO.	REC	PLAY
IC1401	-	-
Q1401		
E	3.1	0
C	3.1	3.1
B	3.1	3.1
Q1402		
1(E)	0	0
2(B)	3.0	3.1
3(E)	3.1	3.1
4(C)	2.9	2.9
5(C)	0	0
Q1403		
1(E)	0	0
2(B)	0	0
3(E)	3.1	3.1
4(C)	-0.5	0
5(C)	3.1	3.1

<MDA>

MODE PIN NO.	REC	PLAY
IC1601		
1	0	0
2	1.2	0
3	1.1	0
4	0	1.2
5	0	0
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	4.8	4.8

MODE PIN NO.	REC	PLAY
13	0.4	0.4
14	0.5	0.4
15	0.4	0.4
16	0	0
17	0.9	0.9
18	7.0	7.0
19	1.5	1.5
20	1.5	1.5
21	1.5	1.5
22	1.5	1.5
23	1.5	1.5
24	1.5	1.5
25	1.5	1.6
26	1.5	1.5
27	1.5	1.5
28	1.5	1.5
29	3.1	3.1
30	0	0
31	0.7	0.6
32	0.6	0.6
33	1.6	1.5
34	3.1	3.1
35	0	0
36	0	0
37	0	0
38	0	0
39	0	0
40	1.5	1.4
41	0.6	0.6
42	0.6	0.6
43	1.0	0.9
44	0.6	0.6
45	0	0
46	0	0
47	2.8	2.8
48	1.2	1.2
49	1.5	1.5
50	1.5	1.5
51	1.5	1.5
52	1.5	1.5
53	1.6	0.6
54	0	0.6
55	0	0
56	1.2	1.1
57	1.2	1.2
58	1.1	1.2
59	1.1	1.1
60	1.1	1.2
61	0.4	0.4
62	0	0
63	7.0	7.0
64	2.5	2.5
IC1701		
1	-	-
2	1.5	1.5
3	1.4	1.4
4	0	0
5	1.5	1.5
6	1.5	1.5
7	-	-
8	4.8	4.8

MODE PIN NO.	REC	PLAY
IC1702		
1	0	0
2	1.5	0
3	-	-
4	0	0
5	-	-
6	1.5	1.5
7	0	-
8	4.8	4.8
Q1601		
1(E)	0	0
2(B)	0	0
3(E)	4.8	4.7
4(C)	0	0
5(C)	4.8	4.7

<AUDIO AD/DA>

MODE PIN NO.	REC	PLAY
IC2101		
1	0	0
2	0	0
3	0	0
4	0	0
5	3.1	3.0
6	0	3.1
7	0	0
8	0	0
9	0.6	0.6
10	0.6	0.6
11	0	0
12	0.6	0.6
13	0	0
14	0	0
15	0	0.5
16	0	0
Q2101		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0

<MAIN AUDIO>

MODE PIN NO.	REC	PLAY
IC2201		
1	0	0
2	0	0
3	0	0
4	3.0	3.0
5	3.1	3.1
6	0	0
7	0	1.5
8	1.4	1.4
9	1.5	1.5
10	0	0
11	0	2.9
12	0	2.9
13	1.5	1.5

MODE PIN NO.	REC	PLAY
14	1.4	2.2
15	2.9	2.9
16	0	0
17	1.5	1.4
18	0	0.4
19	1.4	1.4
20	0	0
21	1.4	1.3
22	0	2.4
23	1.5	1.4
24	0	2.4
25	1.5	1.4
26	2.5	2.5
27	2.4	2.4
28	4.8	4.7
29	2.4	2.4
30	2.4	2.4
31	0	0
32	2.9	2.9
33	0	1.5
34	0.6	0.4
35	0.6	0.4
36	1.4	1.5
37	1.5	1.4
38	1.5	1.4
39	1.4	1.4
40	1.4	0
41	0	0
42	4.0	4.4
43	2.6	0
44	3.9	4.3
45	1.4	4.3
46	1.5	0
47	1.5	1.4
48	1.5	1.5
Q2201		
E	1.5	1.4
C	4.7	4.7
B	2.0	2.0
Q2401		
E	-	-
C	4.7	4.7
B	-	-
Q2403		
E	2.9	2.9
C	4.8	4.8
B	3.6	3.6

<DV MAIN>

MODE PIN NO.	REC	PLAY
IC3001	-	-
IC3004	-	-
IC3005		
1	0	0.4
2	0	0.4
3	0	0
4	0.7	1.7
5	0	0
6	0	0
7	0	0
8	3.1	3.1

MODE PIN NO.	REC	PLAY
Q3001		
E	1.8	1.8
C	2.9	2.9
B	2.4	1.2
Q3002		
E	0	1.2
C	2.5	2.5
B	0.7	1.7

<PRE/REC>

MODE PIN NO.	REC	PLAY
IC3501		
1	0	0
2	0.5	0.5
3	0	0
4	0.5	1.5
5	2.5	2.5
6	2.4	1.6
7	1.4	0
8	0	0
9	1.2	3.1
10	1.9	1.9
11	3.1	3.1
12	0	0
13	0	4.8
14	0	0
15	0	0
16	0	0
17	0	0
18	3.6	1.6
19	0	1.6
20	3.3	1.6
21	0	1.6
22	0	0
23	3.6	1.6
24	3.3	1.7
25	0	1.6
26	0	1.6
27	0	0
28	0	1.4
29	1.5	1.7
30	3.3	1.7
31	0	1.4
32	0	0
33	0	0
34	0	0
35	1.7	1.7
36	0.4	0.4
37	3.0	3.1
38	0	3.1
39	0	3.0
40	0	1.5
41	0	3.1
42	0	0
43	4.7	4.7
44	3.0	0
45	0	0
46	0	2.0
47	0	2.0
48	4.3	3.1
49	4.2	2.8
50	0.5	1.6

MODE PIN NO.	REC	PLAY
51	1.3	1.3
52	0.9	1.6
53	0	0
54	3.1	2.5
55	2.5	1.9
56	1.1	1.1
57	2.5	1.9
58	2.5	1.4
59	0	0
60	1.5	1.5
61	3.0	1.9
62	2.5	1.9
63	2.5	1.3
64	2.5	2.0

<VIDEO I/O>

MODE PIN NO.	REC	PLAY
IC3701		
1	0	0
2	1.9	1.9
3	0	0
4	0	0
5	0	0
6	0	0
7	1.9	1.9
8	0	0
9	2.3	2.3
10	0	0
11	1.3	1.3
12	1.3	1.3
13	4.7	4.7
14	1.0	1.0
15	1.0	1.0
16	4.7	4.7
IC3731		
1	3.0	3.0
2	1.2	1.2
3	4.7	4.7
4	1.3	1.3
5	0	0
6	1.5	1.4
IC3801	-	-
IC3901		
1	0	0
2	0.5	0.5
3	0.4	0.4
4	1.7	1.7
5	0.6	0.6
6	2.4	2.4
7	3.1	3.1
8	3.1	3.1
9	3.1	3.1
10	3.1	3.1
11	3.1	3.1
12	1.0	1.0
13	1.3	1.3
14	1.2	1.2
15	0	0
16	3.0	3.0
17	0.6	0.6
18	1.9	1.9
19	1.4	1.5

MODE PIN NO.	REC	PLAY
20	0	0
Q3701		
1(E)	1.7	1.7
2(B)	1.1	1.1
3(C)	0	0
4(E)	1.4	1.4
5(B)	0.8	0.8
6(C)	0	0
Q3702		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	4.8	4.8
5(B)	4.3	4.4
6(C)	4.3	4.4
Q3704		
E	0.8	0.8
C	0	0
B	0	0
Q3705		
1(E)	0.9	0.9
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q3731		
E	0	0
C	4.7	4.7
B	0	0
Q3732		
E	0	0
C	0	0
B	3.0	3.0
Q3733		
1(E)	0	0
2(B)	0.4	0.4
3(C)	0	0
4(E)	4.7	4.7
5(B)	4.7	4.7
6(C)	4.7	4.7
Q3734		
E	0	0
C	4.7	4.7
B	0	0
Q3735		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	1.4	1.4
5(B)	0	0.9
6(C)	4.7	4.7

<CDS/AD>

MODE PIN NO.	REC	PLAY
IC4201		
1	1.2	0
2	1.2	0
3	0.8	0
4	0	0
5	0	4.2
6	0	0

MODE PIN NO.	REC	PLAY
7	0	0
8	0	0
9	1.1	0
10	3.0	4.5
11	0	0
12	0	0
13	3.1	4.8
14	2.6	0
15	3.0	0
16	1.9	0
17	1.9	0
18	0	0
19	3.1	4.8
20	1.9	0
21	1.9	0
22	1.9	0
23	1.9	0
24	1.2	0
25	3.1	4.8
26	0	0
27	0	0
28	1.4	0
29	1.9	0
30	0	0
31	0	4.8
32	0	0
33	3.0	3.0
34	1.4	2.1
35	2.9	3.0
36	1.2	0.6
IC4202		
1	4.8	4.7
2	0	0
3	1.3	1.3
4	3.1	4.8
5	4.7	4.7

<CAM.DSP>

MODE PIN NO.	REC	PLAY
IC4301	-	-
IC4302		
1	1.7	1.7
2	0	0
3	1.8	1.8
4	1.8	1.8
5	1.5	1.5
IC4303		
1	3.0	3.0
2	0	0
3	1.3	1.3
4	2.5	2.5
5	3.1	3.1

<TG/VDR>

MODE PIN NO.	REC	PLAY
IC5001		
1	0	0
2	0	0
3	3.0	3.0
4	3.1	3.1
5	0	0

MODE PIN NO.	REC	PLAY
6	0.8	0
7	1.0	0.7
8	3.3	3.3
9	0	0
10	0	0
11	0	0
12	1.4	0
13	1.2	0
14	3.3	3.3
15	3.0	0
16	3.1	3.0
17	1.9	0
18	0	0
19	0	0
20	3.0	0
21	2.6	0
22	0	0
23	0	0
24	3.0	3.1
25	1.5	1.5
26	0	0
27	0	0
28	3.0	0
29	2.8	0
30	0	0
31	0	0
32	3.0	3.0
33	0.6	2.1
34	3.0	3.0
35	0	0
36	0	0
37	3.1	3.1
38	0	0
39	0	0
40	0	0
41	-6.2	0
42	-6.2	0
43	0	14.9
44	0	0
45	0	-6.6
46	0	-6.6
47	3.0	3.1
48	3.1	3.1
IC5002		
1	1.1	1.0
2	1.5	1.5
3	0	0
4	3.1	3.1
5	0	0
6	1.4	1.5
7	3.1	3.1
8	0	0
IC5003		
1	1.8	4.8
2	0	0
3	1.8	1.3
4	1.8	3.3
5	1.5	4.8

<REGCON>

MODE PIN NO.	REC	PLAY
IC1801		
1	4.5	4.5
2	0	0
3	4.7	4.7
IC6001		
1	6.9	7.0
2	6.8	6.8
3	0	0
4	0	0
IC6002		
1	0	0
2	7.0	7.0
3	3.3	3.3
4	0	0
IC6003		
1	7.0	7.0
2	0	0
3	0	0
4	0	0
5	3.0	3.0
Q2701		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q2702		
1(E)	0	0
2(B)	0	0
3(C)	0	0
4(E)	0	0
5(B)	0	0
6(C)	0	0
Q6001		
D	7.0	7.0
S	7.0	7.0
G	0	0
Q6002		
D	0	0
S	0	0
G	6.9	7.0
Q6003		
1(S)	0	0
2(G)	0	0
3(D)	0	0
4(S)	3.9	3.9
5(G)	3.0	3.0
6(D)	6.7	6.7
Q6004		
E	0	0
C	0	0
B	3.0	3.0

<REG>

MODE PIN NO.	REC	PLAY
IC6101		
1	4.4	4.5
2	0	7.0
3	5.8	5.9
4	0	0
5	0	0
6	6.9	7.0
7	6.9	7.0
8	2.0	2.0
9	0	0
10	0	0
11	0	0
12	0.7	0.7
13	1.5	1.5
14	0.8	0.8
15	0	0
16	0	0
17	1.5	1.5
18	1.0	1.0
19	6.9	7.0
20	1.3	1.3
21	0	0
22	1.5	1.5
23	0.7	0.7
24	1.5	1.5
25	0	1.5
26	0.6	0.6
27	0	0
28	0	0
29	0.9	0.8
30	1.5	1.5
31	0	7.0
32	4.9	5.0
33	0	0
34	0	3.7
35	0	7.0
36	3.2	3.3
37	0	0
38	1.5	0
39	1.0	1.0
40	1.0	0
41	0	0
42	2.0	0
43	0.5	0.5
44	3.0	3.0
45	3.0	3.0
46	3.0	3.0
47	3.0	3.0
48	0	0
Q6101		
1(G)	3.7	3.7
2(S)	7.0	7.0
3(A)	0	0
4(C)	3.1	3.1
5(D)	3.1	3.1
Q6102		
1(G)	5.0	5.0
2(S)	7.0	7.0
3(A)	0	0
4(C)	1.8	1.8
5(D)	1.8	1.9
Q6103		
1(G)	6.0	6.0
2(S)	7.0	7.0
3(A)	0	0
4(C)	0.9	1.0
5(D)	0.9	1.0

MODE PIN NO.	REC	PLAY
Q6104		
1(G)	4.6	4.6
2(S)	7.0	7.0
3(A)	0	0
4(C)	2.5	2.5
5(D)	2.5	2.5
Q6105		
1(G)	2.1	2.1
2(S)	7.0	7.0
3(A)	0	0
4(C)	4.8	4.8
5(D)	4.8	4.8
Q6106		
D	3.3	3.5
S	7.0	7.0
G	0	0
Q6107		
E	-14.8	-14.8
C	-6.5	-6.6
B	-14.2	-14.2
Q6108		
1(E)	0	-4.1
2(B)	-3.8	-3.9
3(C)	-14.2	-14.2
4(E)	0	0
5(B)	0	0.7
6(C)	0	0.7
Q6109		
1(E)	0	4.2
2(B)	4.8	4.8
3(C)	14.4	14.3
4(E)	4.2	4.3
5(B)	4.7	4.7
6(C)	14.9	15.0
Q6110		
E	15.0	15.0
C	12.1	12.0
B	14.4	14.4

<VF MAIN>

MODE PIN NO.	REC	PLAY
IC7101		
1	0	0
2	2.9	2.8
3	3.0	3.0
4	3.0	3.0
5	1.7	1.7
6	0	0
7	0	0
8	3.0	3.0
9	3.0	3.0
10	0.6	0.8
11	0	3.0
12	0	0
13	3.0	3.0
14	3.0	3.0
15	0	0
16	0	0
17	0	0
18	0	0
19	0	0
20	1.5	1.5

MODE PIN NO.	REC	PLAY
21	1.5	1.5
22	0	0
23	0	0
24	0	0
25	0	0
26	2.8	2.8
27	1.5	1.5
28	0	0
29	3.0	3.0
30	3.0	3.0
31	0	0
32	0	0
33	0	0
34	0	0
35	5.7	5.7
36	0	0
37	0	0
38	0	0
39	0	0
40	6.1	6.1
41	1.4	1.4
42	0	0
43	6.1	6.1
44	1.4	1.4
45	6.1	6.1
46	1.4	1.4
47	12.0	12.1
48	6.0	6.0
49	3.0	3.0
50	0	0
51	0	0
52	3.0	3.0
53	0	0
54	2.0	2.0
55	0	0
56	0	0
57	0	0
58	2.9	3.0
59	1.4	1.4
60	1.4	1.4
61	1.4	1.4
62	3.0	3.0
63	1.7	1.6
64	0	0
Q7101		
E	12.1	12.1
C	12.1	12.1
B	11.4	11.4
Q7102		
E	0	0
C	0	0
B	3.0	3.0

<MONITOR MAIN>

MODE PIN NO.	REC	PLAY
IC7201		
1	2.8	2.7
2	1.5	1.5
3	0	0
4	0	0
5	0	0
6	5.7	5.7
7	3.0	3.0
8	5.9	6.0
9	3.2	3.2
10	6.0	6.1
11	3.5	3.4
12	6.1	6.2
13	12.0	12.0
14	6.1	6.1
15	3.1	3.1
16	6.0	6.0
17	0	0
18	0	0
19	0	0
20	0	0
21	3.0	3.0
22	1.9	1.9
23	1.9	1.9
24	0	1.9
25	2.9	2.8
26	0	0
27	1.5	1.5
28	1.2	1.2
29	1.8	1.8
30	0	0
31	3.0	3.0
32	3.0	3.0
33	0.7	0.7
34	3.0	3.0
35	3.0	3.0
36	3.0	3.0
37	3.0	3.0
38	2.7	2.7
39	2.8	2.8
40	3.0	3.0
41	0	0
42	1.5	1.5
43	0	1.5
44	0	0
45	3.0	3.0
46	0	0
47	3.0	2.9
48	0	0
IC7202		
1	4.8	4.8
2	0	0
3	1.3	1.3
4	3.0	3.0
5	4.7	4.7
Q7203		
E	0	0
C	0	0
B	3.0	3.1
Q7204		
E	12.0	12.0
C	12.0	0
B	11.4	11.4

<DSC>

MODE PIN NO.	REC	PLAY
IC8001	-	-
IC8002	-	-
IC8003	-	-

MODE PIN NO.	REC	PLAY
IC8005		
1	0.4	0.4
2	0	0
3	0	0
4	0	0
5	0.4	0.4
6	0	0
7	0	0
8	0	0
9	0	0
10	0	0
11	0	0
12	0.4	0.4
13	0	0
14	0	0
15	0	0
16	0	0
Q8001		
E	3.1	3.1
C	0.4	0.4
B	3.0	3.0

<USBDRV>

MODE PIN NO.	REC	PLAY
IC8301		
1	0.5	0.5
2	0	0.8
3	0	0
4	3.2	3.2
5	3.2	3.2
6	0	0
7	3.2	3.2
8	3.2	3.2
9	3.2	3.2
10	3.2	3.2
11	3.2	3.3
12	0	0
13	0	0
14	2.3	2.4
15	2.4	2.4
16	0	2.4
17	2.3	2.4
18	2.3	2.4
19	2.3	2.4
20	0	0
21	3.2	3.2
22	0	2.4
23	2.3	2.4
24	0	0.6
25	0	0.5
26	0	0.5
27	0	0.6
28	0	0.6
29	0	0.6
30	0	0.6
31	0	0
32	3.2	3.2
33	0	0.6
34	0	0
35	3.1	3.1
36	3.1	3.0
37	0	0
38	3.1	3.1
39	4.7	4.8
40	1.5	1.5
41	0	0
42	1.6	1.6
43	1.5	1.5
44	4.8	4.8
45	0	0
46	3.2	0
47	0	0.6
48	0	0.6
IC8302		
1	0	0.9
2	0.5	0.5
3	0	0
4	0	0

<SD>

MODE PIN NO.	REC	PLAY
IC8501	-	-

<WBSEN/SW>

MODE PIN NO.	REC	PLAY
Q1151		
E	4.2	4.2
C	0	0
B	-	-
Q2001		
E	0	0
C	0	2.1
B	2.8	0
Q2901		
E	7.0	7.1
C	0	0
B	7.0	7.1
Q2902		
E	0	0
C	0	7.1
B	0	0

<OPDRV>

MODE PIN NO.	REC	PLAY
IC4802		
1	2.9	2.9
2	2.4	2.9
3	2.4	2.4
4	0	0
5	2.4	2.4
6	2.4	2.4
7	2.4	2.4
8	4.8	4.7
IC4803		
1	1.0	1.0
2	-	-
3	-	-
4	-	-
5	2.4	2.4
6	2.4	2.4
7	2.0	2.7
8	4.7	4.8
IC4804		
1	2.3	4.0
2	2.4	2.3
3	2.4	2.4
4	0	0
5	2.4	2.4
6	2.4	3.0
7	2.4	0.7
8	4.7	4.8
IC4805		
1	1.1	3.9
2	2.9	2.8
3	1.9	3.0
4	0	0
5	0	2.3
6	2.7	2.4
7	2.2	2.4
8	4.8	4.7
IC4806	-	-
IC4851		
1	0	0
2	0	0.4
3	0	0
4	0	0
5	0.4	0.4
6	0	0
7	0	0
8	3.1	3.1
9	4.8	4.8
10	0	0.5
11	0	0
12	0.5	0.5
13	4.8	4.8
14	0.5	0.5
15	0	0
16	0.6	0.5
17	0	0
18	0	0
19	0	0
20	0	0
21	0	0
22	0	0
23	4.8	4.8
24	0.6	0.5
25	0	0
26	0.6	0.5
27	4.8	4.8
28	0.6	0.5
29	0	0
30	0.6	0.5
31	3.1	3.1
32	0	0
33	0	0
34	0	0
35	2.9	2.9
36	1.5	0
37	1.5	1.5
38	3.0	3.0

MODE PIN NO.	REC	PLAY
Q4801		
E	0	0
C	1.8	1.8
B	1.0	1.0
Q4802		
E	0	0
C	2.3	2.3
B	0	0
Q4803		
E	0	0
C	4.7	4.7
B	0	0
Q4804		
E	0	4.7
C	2.4	3.0
B	4.7	4.7
Q4805		
E	0	0
C	2.4	0.8
B	0	0
Q4806		
E	4.8	4.7
C	2.3	2.3
B	4.8	4.7
Q4851		
E	0	0
C	3.5	3.6
B	0	0

<CCD>

MODE PIN NO.	EE
IC5201	
1	-
2	-
3	-
4	-
5	-
6	-
7	-
8	11.6
9	0
10	12.6
11	1.4
12	1.5
13	9.9
14	-6.5
Q5201	
E	11.0
C	15.0
B	0.8
Q5202	
E	0
C	-
B	0
Q5203	
E	3.0
C	0.8
B	1.5

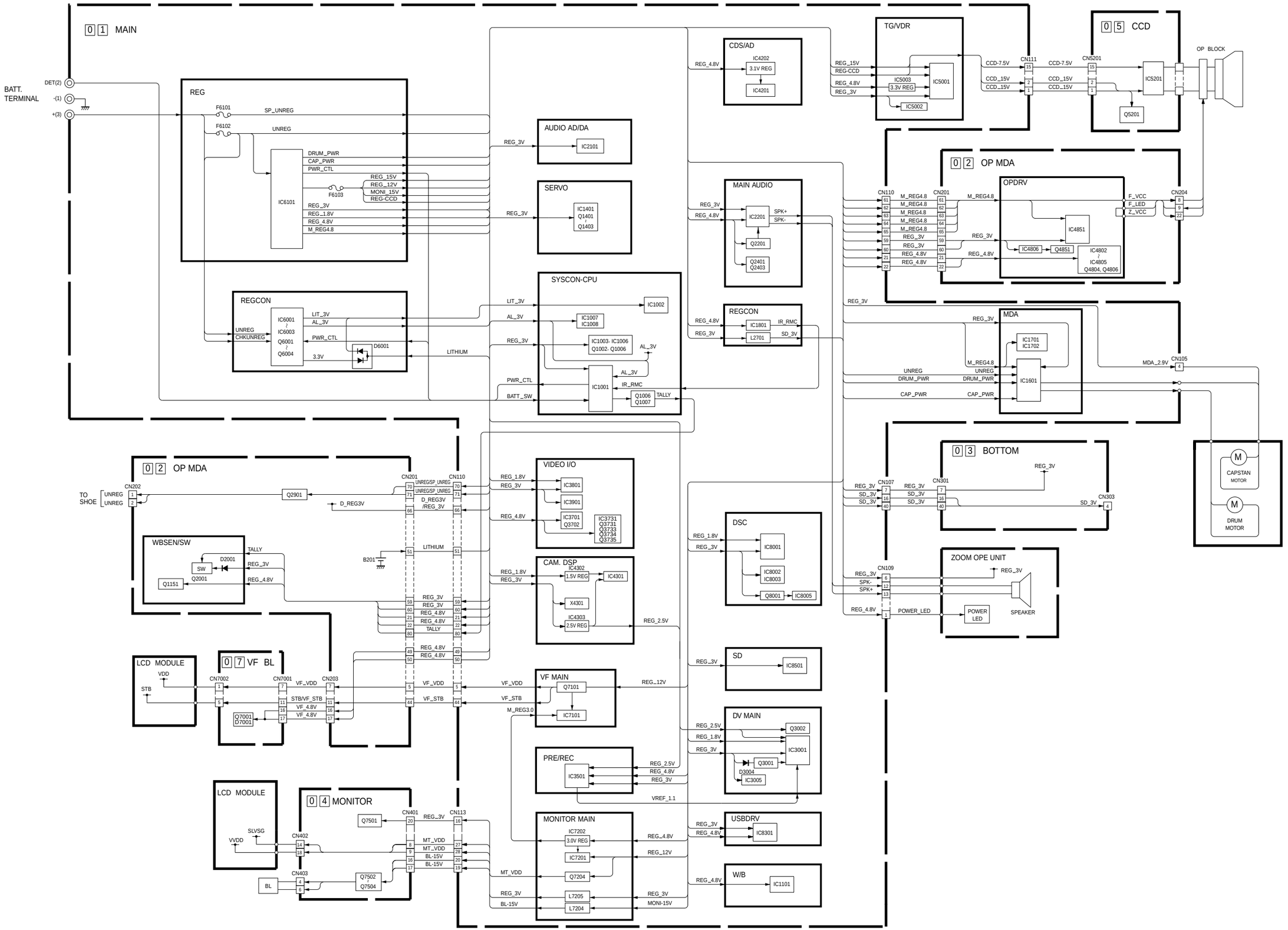
<MONITOR>

MODE PIN NO.	EE
Q7501	
1(E)	0
2(B)	3.0
3(C)	2.4
4(E)	3.0
5(B)	0
6(C)	0
Q7502	
E	-12.9
C	-12.2
B	-12.2
Q7503	
1(E)	-12.9
2(E)	-12.9
3(B)	-12.2
4(C)	-9.6
5(B)	-12.2
6(C)	-9.6
Q7504	
1(E)	-12.9
2(E)	-12.9
3(B)	-12.2
4(C)	-9.6
5(B)	-12.2
6(C)	-9.6

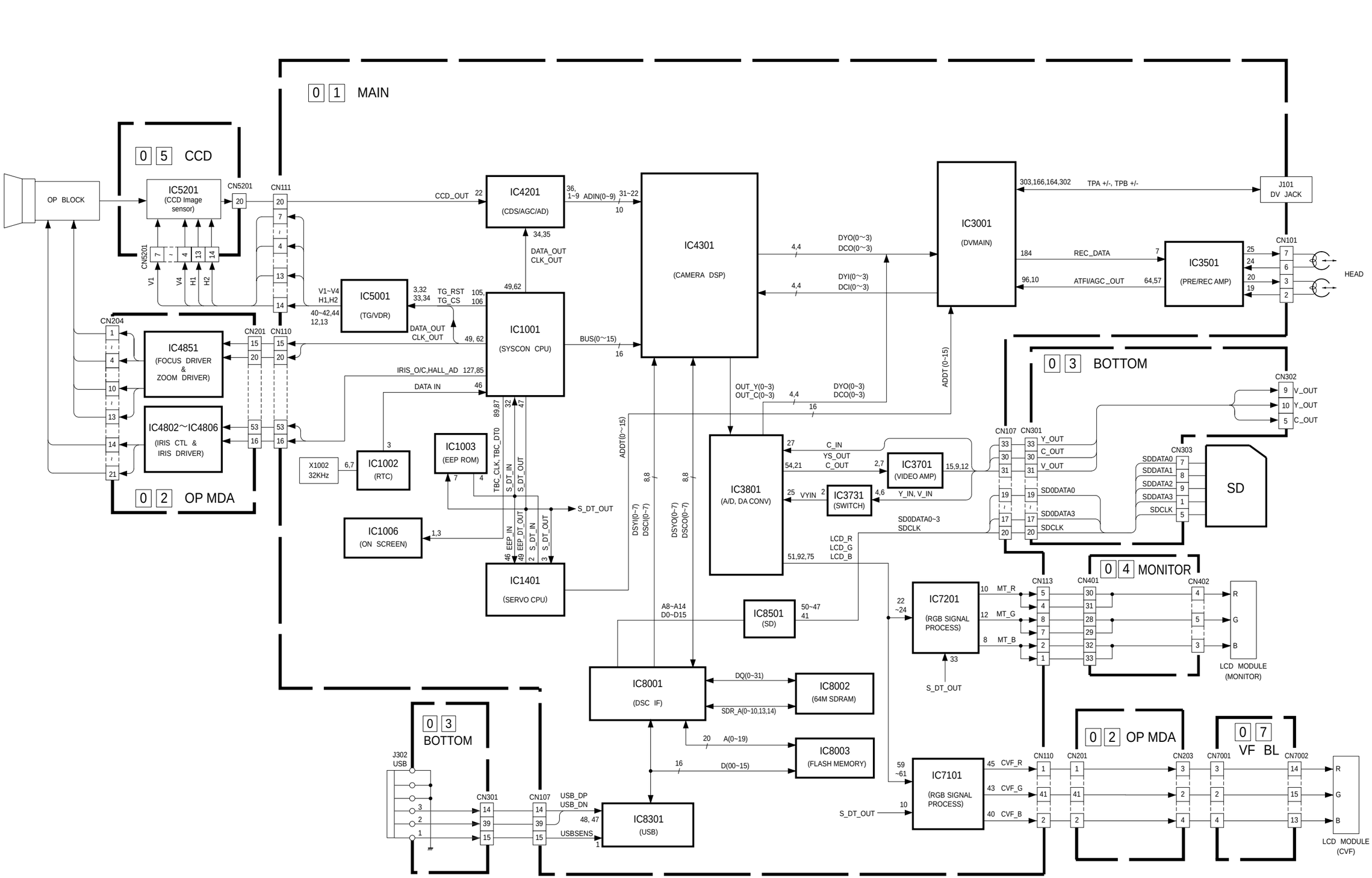
<VF BL>

MODE PIN NO.	EE
Q7001	
1(E)	0
2(B)	3.0
3(C)	4.7
4(E)	4.7
5(B)	0
6(C)	0
Q7002	
1(E)	0.4
2(B)	1.2
3(C)	1.2
4(E)	0.6
5(B)	1.2
6(C)	1.5

4.31 POWER SYSTEM BLOCK DIAGRAM



4.32 VIDEO SYSTEM BLOCK DIAGRAM



E. & O. E. No. 86729 GR-DVP8EK,GR-DVP8EX,GR-DVP8EY,GR-DVP9EK,GR-DVP9EX,GR-DVP9EY,GR-DVP9EZ
E. & O. E. No. 86746 GR-DVP9AA,GR-DVP9AG
E. & O. E. No. 86747 GR-DVP9AC,GR-DVP9AH

(VP)-M3D7S3

SECTION 5
PARTS LIST

5.1 EXPLODED VIEW

SAFETY PRECAUTION

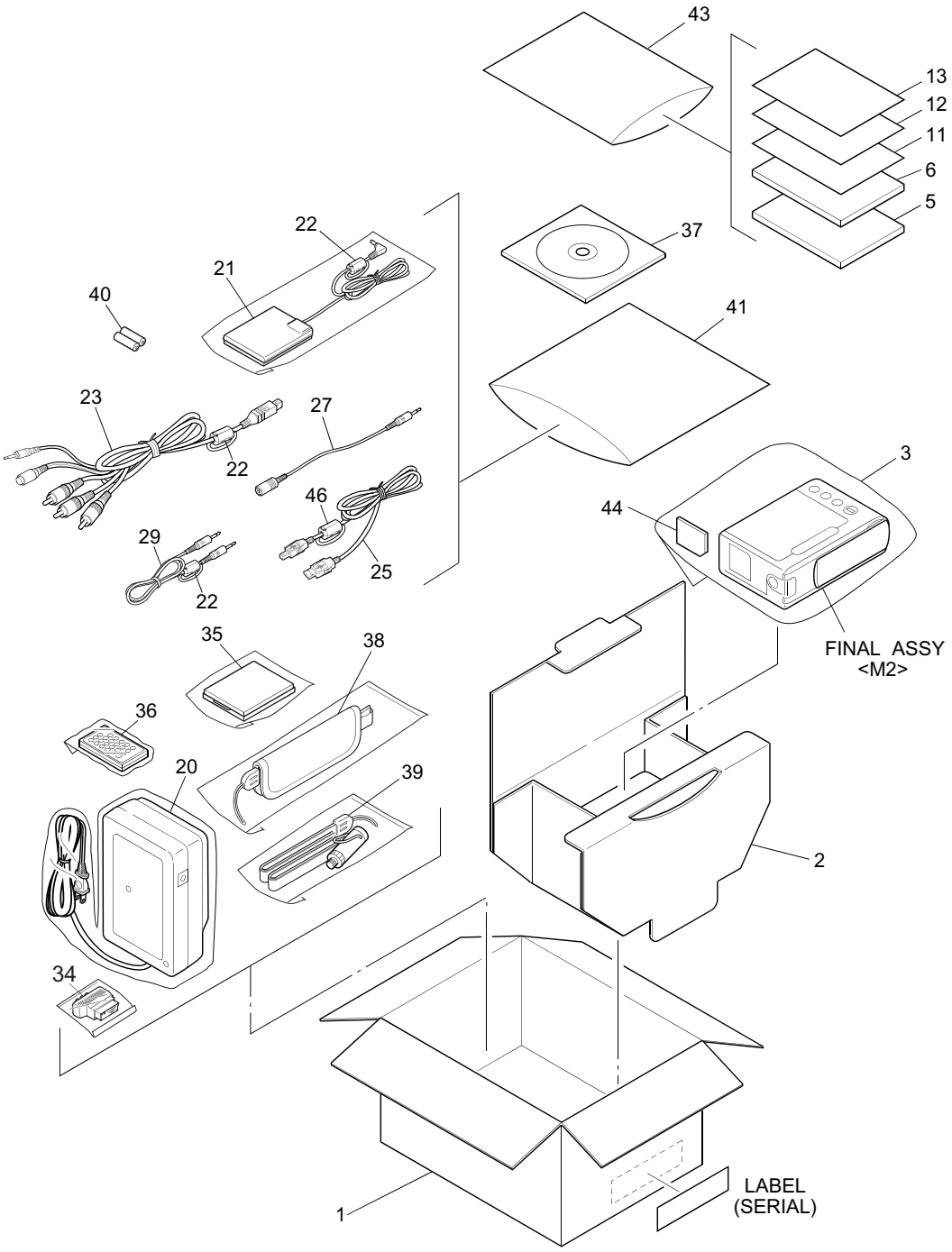
Parts identified by the ⚠ symbol are critical for safety. Replace only with specified part numbers.

BEWARE OF BOGUS PARTS

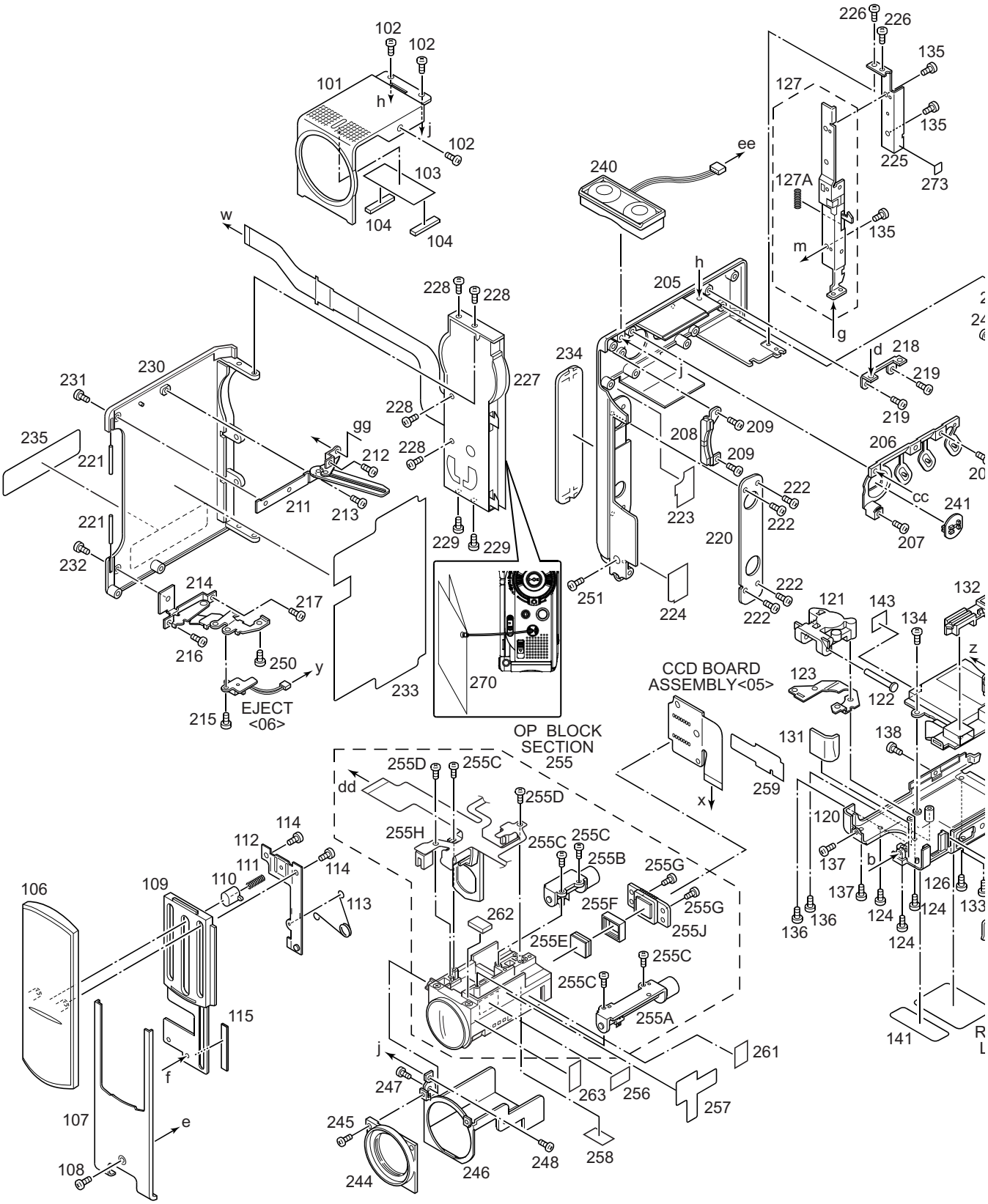
Parts that do not meet specifications may cause trouble in regard to safety and performance. We recommend that genuine JVC parts be used.

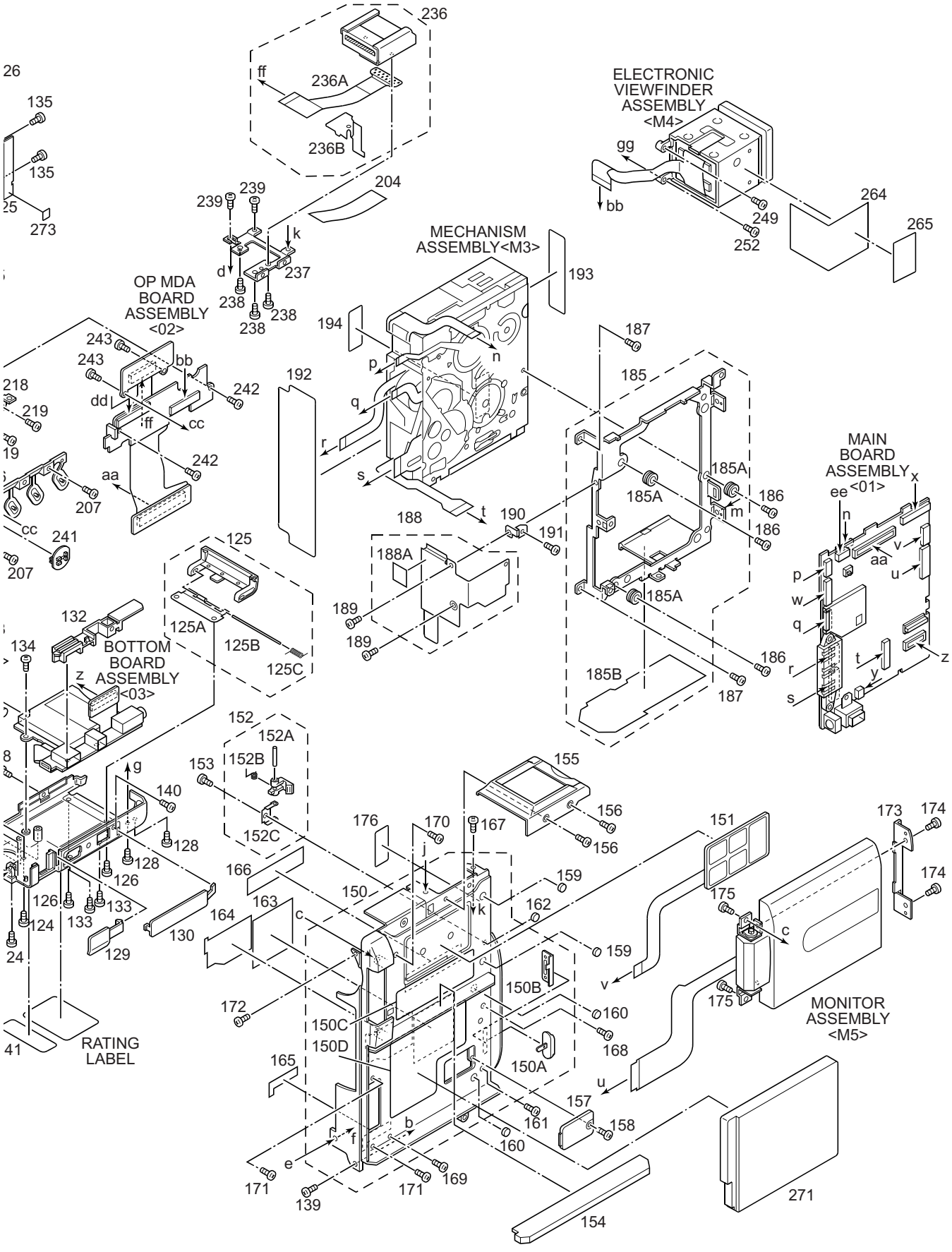
5.1.1 PACKING AND ACCESSORY ASSEMBLY <M1>

The instruction manual to be provided with this product will differ according to the destination.

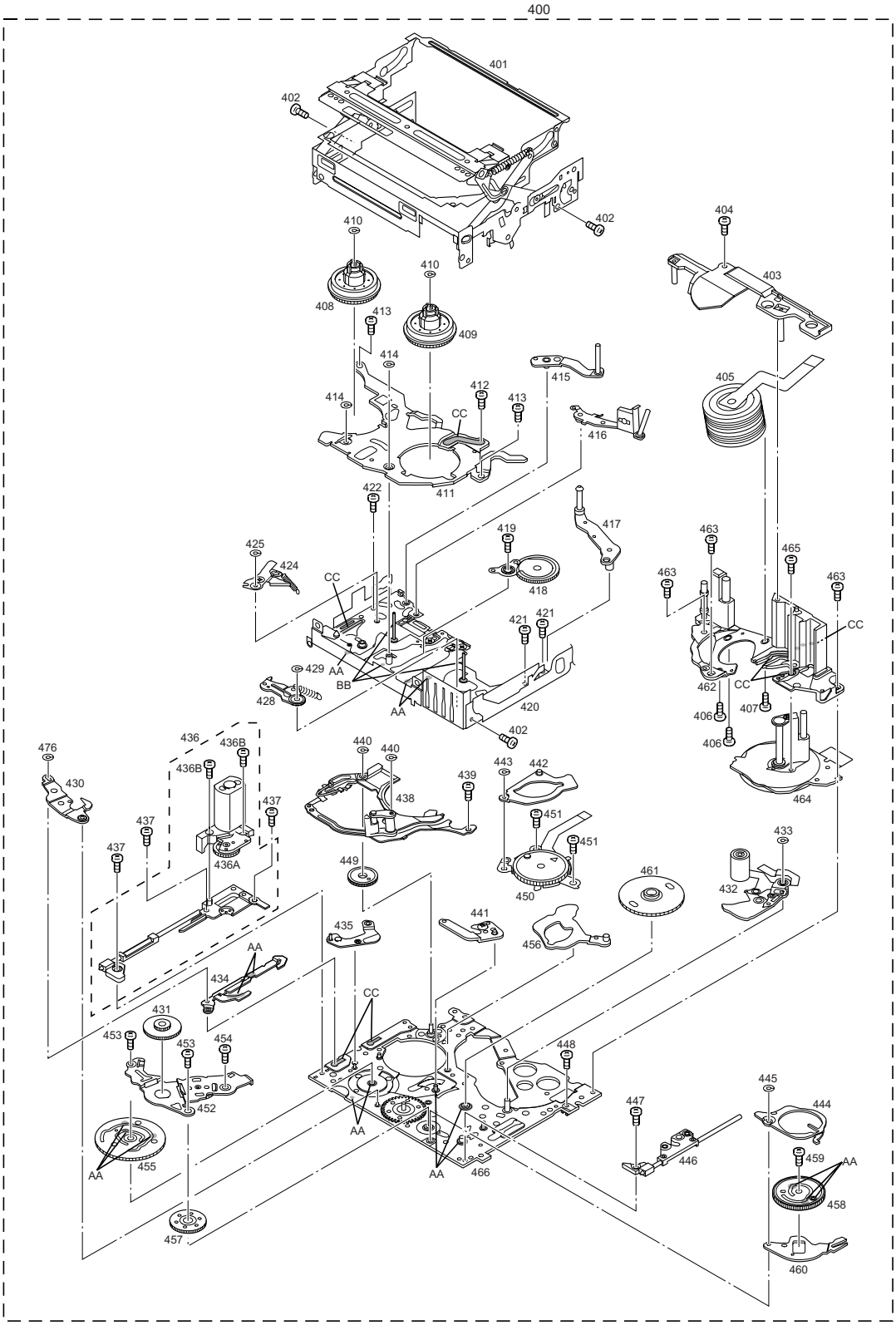


5.1.2 FINAL ASSEMBLY <M2>




ELECTRONIC VIEWFINDER ASSEMBLY <M4>
MECHANISM ASSEMBLY<M3>
OP MDA BOARD ASSEMBLY <02>
MAIN BOARD ASSEMBLY <01>
BOTTOM BOARD ASSEMBLY <03>
RATING LABEL
MONITOR ASSEMBLY <M5>
236
236A
236B
204
239
237
238
273
135
264
265
249
252
gg
bb
193
194
187
185
185A
185B
186
188
188A
189
190
191
192
218
219
242
243
207
241
125
125A
125B
125C
132
134
140
128
126
133
124
129
130
152
152A
152B
152C
153
155
156
167
170
176
166
163
164
150
150A
150B
150C
150D
159
160
162
168
172
165
157
158
161
169
171
139
154
151
173
174
175
271
41
24
8

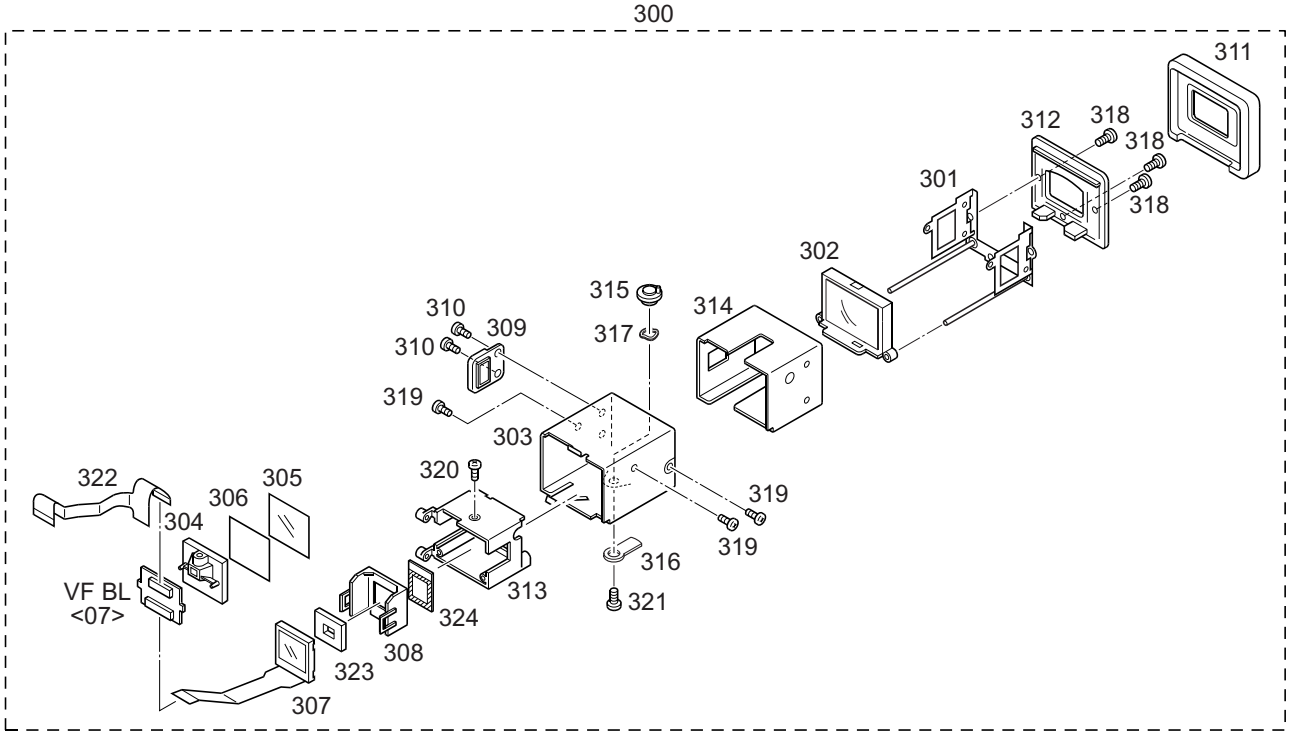
5.1.3 MECHANISM ASSEMBLY <M3>



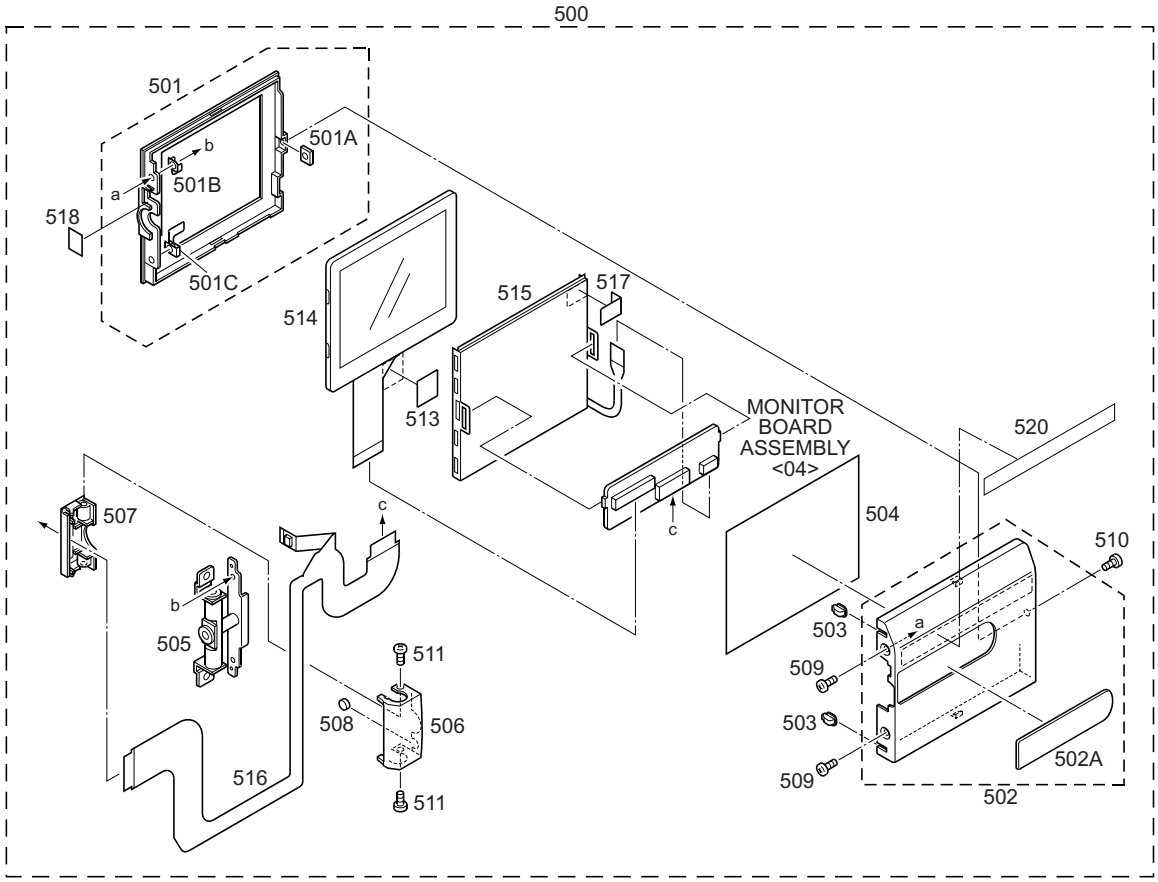
Classification	Part No.	Symbol in drawing
Grease	KYODO-SH-JB	AA
Oil	YTU94027	BB
Grease (HANARL)	RX-410R	CC

NOTE: The section marked in **AA** and **BB**, **CC** indicate lubrication and greasing areas.

5.1.4 ELECTRONIC VIEWFINDER ASSEMBLY <M4>



5.1.5 MONITOR ASSEMBLY <M5>



5.2 PARTS LIST

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠	REF No.	PART No.	PART NAME, DESCRIPTION	A	B	C	D	E	F	G

****

PACKING AND ACCESSORY PARTS LIST<M1>

	1	LY32303-015C	PACKING CASE					E	F	G
	1	LY32303-014C	PACKING CASE	A	B	C				
	2	LY20763-001A	CUSHION	A	B	C	D	E	F	G
	3	LY30023-003A	POLY BAG	A	B	C	D	E	F	G
⚠	5	LYT1093-002A	INST.BOOK(GERMAN)					E	F	
⚠	5	LYT1093-003A	INST.BOOK(FRENCH)					E		
⚠	5	LYT1093-004A	INST.BOOK(DUTCH)					E		
⚠	5	LYT1093-005A	INST.BOOK(SPANISH)					E		
⚠	5	LYT1093-006A	INST.BOOK(ITALIAN)					E		
⚠	5	LYT1093-007A	INST.BOOK(DANISH)						F	
⚠	5	LYT1093-008A	INST.BOOK(FINNISH)						F	
⚠	5	LYT1093-009A	INST.BOOK(SWEDISH)						F	
⚠	5	LYT1093-010A	INST.BOOK(NORWEGIAN)						F	
⚠	5	LYT1093-011A	INST.BOOK(RUSSIAN)							G
⚠	5	LYT1093-012A	INST.BOOK(CZECH)							G
⚠	5	LYT1093-013A	INST.BOOK(POLISH)							G
⚠	5	LYT1093-014A	INST.BOOK(HUNGARIAN)							G
⚠	5	LYT1094-001A	INST.BOOK(ENGLISH)				D			
⚠	5	LYT1095-002A	INST.BOOK(GERMAN)		B	C				
⚠	5	LYT1095-003A	INST.BOOK(FRENCH)		B					
⚠	5	LYT1095-004A	INST.BOOK(DUTCH)		B					
⚠	5	LYT1095-005A	INST.BOOK(SPANISH)		B					
⚠	5	LYT1095-006A	INST.BOOK(ITALIAN)		B					
⚠	5	LYT1095-007A	INST.BOOK(DANISH)			C				
⚠	5	LYT1095-008A	INST.BOOK(FINNISH)			C				
⚠	5	LYT1095-009A	INST.BOOK(SWEDISH)			C				
⚠	5	LYT1095-010A	INST.BOOK(NORWEGIAN)			C				
⚠	5	LYT1096-001A	INST.BOOK(ENGLISH)	A						
	6	LYT1085-001A	INST.BOOK(SOFT.ENGLISH)	A			D			
	6	LYT1085-002A	INST.BOOK(SOFT.GERMAN)		B	C		E	F	
	6	LYT1085-003A	INST.BOOK(SOFT.FRENCH)		B			E		
	6	LYT1085-004A	INST.BOOK(SOFT.DUTCH)		B			E		
	6	LYT1085-005A	INST.BOOK(SOFT.SPANISH)		B			E		
	6	LYT1085-006A	INST.BOOK(SOFT.ITALIAN)		B			E		
	6	LYT1085-007A	INST.BOOK(SOFT.DANISH)			C			F	
	6	LYT1085-008A	INST.BOOK(SOFT,FINNISH)			C			F	
	6	LYT1085-009A	INST.BOOK(SOFT.SWEDISH)			C			F	
	6	LYT1085-010A	INST.BOOK(SOFT.NORWEGIAN)			C			F	
	6	LYT1085-011A	INST.BOOK(SOFT.RUSSIAN)							G
	11	BT-54013-5	WARRANTY CARD		B	C		E	F	G
	11	BT-54008-4	GUARANTY CARD	A			D			
	12	LYT0194-001B	Q.CARD(JUK)	A			D			
	13	YU30878	REGIST.CARD	A			D			
⚠	20	LY20754-002C	AC POWER ADAPTER/CHARGER,AA-V100EG		B	C		E	F	G
⚠	20	LY20754-004C	AC POWER ADAPTER/CHARGER,AA-V100EK	A			D			
	21	LY32226-003B	DC CORD ASSY					E	F	G
	21	LY32226-002B	DC CORD ASSY	A	B	C				
	22	QQR0917-002	CORE FILTER,X3	A	B	C	D	E	F	G
	23	QAM0415-001	MULTI CABLE,S/AV/EDITING CABLE	A	B	C	D	E	F	G
	25	QAM0451-001	USB CABLE	A	B	C	D	E	F	G
	27	QAM0402-001	RM CABLE,EDITING EXTENSION CABLE	A	B	C	D	E	F	G
	29	QAM0213-001	AUDIO CABLE	A	B	C	D	E	F	G
	34	QAM0302-001	ADAPTOR PLUG,VC-C3592WE	A	B	C	D	E	F	G
⚠	35	LY32203-006A	BATTERY PACK,BN-V107U-B					D	E	F	G
⚠	35	LY32203-003A	BATTERY PACK,BN-V107U-S	A	B	C				
	36	LY20750-001A	REMOTE CONTROL UNIT,RM-V717U	A	B	C	D	E	F	G
	37	LY32210-051A	CD ROM ASSY	A	B	C	D	E	F	G
	38	LY20762-001B	GRIP BELT	A	B	C	D	E	F	G
	39	LY21040-002A	STRAP	A	B	C	D	E	F	G
	40	——	BATTERY,AAA(R03),X2	A	B	C	D	E	F	G
	41	QPA01703005	POLY BAG	A	B	C	D	E	F	G
	43	QPA02003506	POLY BAG,DOCUMENT		B	C		E	F	G
	43	YQM30061-3	POLY BAG,DOCUMENT	A			D			
	44	QAM0342-002	*MEMORY CARD,8MB(SD)	A	B	C	D	E	F	G
	46	QQR0491-001	CORE FILTER,FOR USB CABLE	A	B	C	D	E	F	G

*NOTE :
DATA FILE is not contained in MEMORY CARD of the service part.

****

FINAL PARTS LIST<M2>

	101	LY20845-004A	MIC COVER					E	F	G
	101	LY20845-003A	MIC COVER	A	B	C				
	102	LY30018-055A	SPECIAL SCREW,X3 MIC CO					E	F	G
	102	LY30018-043B	SPECIAL SCREW,X3 MIC CO	A	B	C				
	103	LY43164-001A	SHEET(MIC)	A	B	C	D	E	F	G
	104	LY30029-0L7A	SPACER(A),X2	A	B	C	D	E	F	G
	106	LY43927-003A	COVER(SHUT)ASSY					E	F	G
	106	LY43927-004A	COVER(SHUT)ASSY	A	B	C				
	107	LY32228-003A	COVER(UNDER)					E	F	G
	107	LY32228-002A	COVER(UNDER)	A	B	C				
	108	LY30018-065A	SPECIAL SCREW,COV(UND-UP)					E	F	G
	108	LY30018-0A2A	SPECIAL SCREW,COV(UND-UP)	A	B	C				
	109	LY43104-001G	GUIDE(SHUT)ASSY	A	B	C	D	E	F	G
	110	LY32990-001A	KNOB(SHUTTER)	A	B	C	D	E	F	G
	111	LY30002-022A	COMPRESSION SPRING	A	B	C	D	E	F	G
	112	LY43106-001B	SLIDE PLATE(B)ASSY	A	B	C	D	E	F	G
	113	LY43225-001A	TORSION SPRING	A	B	C	D	E	F	G
	114	LY30018-0D2A	SPECIAL SCREW,X2	A	B	C	D	E	F	G
	115	LY30029-0Z9A	SPACER(A)	A	B	C	D	E	F	G
	120	LY20844-002G	BOTTOM COVER					E	F	G
	120	LY20844-003G	BOTTOM COVER	A	B	C				
	121	LY32253-002A	BASE	A	B	C	D	E	F	G
	122	LY43107-001B	SHAFT	A	B	C	D	E	F	G
	123	LY43443-001A	BASE PLATE	A	B	C	D	E	F	G
	124	LY30018-092A	SPECIAL SCREW,X3 BOTT-BASE					E	F	G
	124	LY30018-093A	SPECIAL SCREW,X3,BOTT-BASE	A	B	C				
	125	LY32279-004A	COVER(SD)ASSY					E	F	G
	125	LY32279-002D	COVER(SD)ASSY	A	B	C				
	125A	LY32242-001C	BRACKET(SD)	A	B	C	D	E	F	G
	125B	LY43111-001A	SHAFT(SD.COVER)	A	B	C	D	E	F	G
	125C	LY43047-001B	TORSION SPRING	A	B	C	D	E	F	G
	126	LY30018-081A	SPECIAL SCREW,X2 BOTT-SDCOV					E	F	G
	126	LY30018-043B	SPECIAL SCREW,X2,BOTT-SDCOV	A	B	C				
	127	LY32612-001B	BATTERY LOCK ASSY	A	B	C	D	E	F	G
	127A	LY30002-038A	COMPRESSION SPRING	A	B	C	D	E	F	G
	128	LY30018-031A	SPECIAL SCREW,X2 BO-BKT					E	F	G
	128	LY30018-032A	SPECIAL SCREW,X2 BO-BKT	A	B	C				
	129	LY43487-002B	DV COVER ASSY					E	F	G
	129	LY43487-001B	DV COVER ASSY	A	B	C				
	130	LY32637-004A	MULTI/USB COVER					E	F	G
	130	LY32637-003A	MULTI/USB COVER	A	B	C				
	131	LY32622-001C	IR WINDOW	A	B	C	D	E	F	G
	132	LY32683-001B	BOTTOM BOARD J.HOLDER	A	B	C	D	E	F	G
	133	LY30018-031A	SPECIAL SCREW,X2 BOT-BP.BKT					E	F	G
	133	LY30018-032A	SPECIAL SCREW,X2,BOT-BP.BKT	A	B	C				
	134	LY30018-043A	SPECIAL SCREW	A	B	C	D	E	F	G
	135	LY30018-055A	SPECIAL SCREW,X3	A	B	C	D	E	F	G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION	A B C D E F G
136	LY30018-0G7A	SPECIAL SCREW,X2,BOTT-ARM2	D E F G
136	LY30018-0G8A	SPECIAL SCREW,X2,BOTT-ARM2	A B C
137	LY30018-0D5A	SPECIAL SCREW,X2,SHOE CO-UP	D E F G
137	LY30018-0D8A	SPECIAL SCREW,X2,SHOE CO-UP	A B C
138	LY30018-0G3A	SPECIAL SCREW	A B C D E F G
139	LY30018-065A	SPECIAL SCREW,BOTTOM-UPPE	D E F G
139	LY30018-0A2A	SPECIAL SCREW,BOTTOM-UPPE	A B C
140	LY30018-065A	SPECIAL SCREW,UPPER-BOTTM	D E F G
140	LY30018-0A2A	SPECIAL SCREW,UPPER-BOTTM	A B C
⚠ 141	LY43597-001A	CAUTION LABEL	A B C D E F G
143	LY30029-0Z6A	SPACER(A)	A B C D E F G
150	LY32635-002G	UPPER CASE ASSY	D E F G
150	LY32635-003G	UPPER CASE ASSY	A B C
150A	LY32250-002A	KNOB(BATTERY LOCK)	A B C D E F G
150B	LY43378-001A	STOPPER PLATE	A B C D E F G
150C	LY43575-001A	SHEET(CAUTION)	A B C D E F G
150D	LY43210-002B	LABEL(UPPER)	A B C D E F G
151	LY32625-002B	SUB OPE UNIT	D E F G
151	LY32625-003B	SUB OPE UNIT	A B C
152	LY43064-001B	KNOB(LOCK) ASSY	A B C D E F G
152A	LY43081-001A	SHAFT(LOCK)	A B C D E F G
152B	LY43080-001A	TORSION SPRING(LOCK)	A B C D E F G
152C	LY43079-001A	BRACKET(LOCK)	A B C D E F G
153	LY30018-081A	SPECIAL SCREW	A B C D E F G
154	LY32621-002A	ORNAMENT	A B C D E F G
155	LY32628-002A	SHOE COVER	D E F G
155	LY32628-001A	SHOE COVER	A B C
156	LY30018-065A	SPECIAL SCREW,X2 SHOE CO	D E F G
156	LY30018-0A2A	SPECIAL SCREW,X2 SHOE CO	A B C
157	LY41393-008A	COVER(JIG CONN)	D E F G
157	LY41393-005A	COVER(JIG CONN)	A B C
158	LY30018-055A	SPECIAL SCREW,JIG COV	D E F G
158	LY30018-070A	SPECIAL SCREW,JIG COV	A B C
159	LY42350-002A	FOOT,X2	A B C D E F G
160	LY42350-001A	FOOT,X2	A B C D E F G
161	LY30018-065A	SPECIAL SCREW,UP-BKT	D E F G
161	LY30018-0A2A	SPECIAL SCREW,UP-BKT	A B C
162	LY43196-001A	SHEET(UPPER)	A B C D E F G
163	LY30030-0T6A	SHEET(A)	A B C D E F G
164	LY43598-001A	SHEET(UPPER)1	A B C D E F G
165	LY43599-001A	SHEET(UPPER)2	A B C D E F G
166	LY30029-0N3A	SPACER(A)	A B C D E F G
167	LY30018-055A	SPECIAL SCREW,UP-SHOEBKT	D E F G
167	LY30018-070A	SPECIAL SCREW,UP-SHOEBKT	A B C
168	LY30018-055A	SPECIAL SCREW,UP-BKT	D E F G
168	LY30018-070A	SPECIAL SCREW,UP-BKT	A B C
169	LY30018-055A	SPECIAL SCREW,UP-DV	D E F G
169	LY30018-032A	SPECIAL SCREW,UP-DV	A B C
170	LY30018-055A	SPECIAL SCREW,UP-OP BKT	D E F G
170	LY30018-070A	SPECIAL SCREW,UP-OP BKT	A B C
171	LY30018-0D5A	SPECIAL SCREW,X2 UP-B.TERM	D E F G
171	LY30018-0D7A	SPECIAL SCREW,X2 UP-B.TERM	A B C
172	LY30018-065A	SPECIAL SCREW,UPP-OP BKT	D E F G
172	LY30018-0A2A	SPECIAL SCREW,UPP-OP BKT	A B C
173	LY32623-002B	GUIDE(MONITOR)	D E F G
173	LY32623-001B	GUIDE(MONITOR)	A B C
174	LY30018-031A	SPECIAL SCREW,X2 GUIDE	D E F G
174	LY30018-032A	SPECIAL SCREW,X2 GUIDE	A B C
175	LY30018-099A	SPECIAL SCREW,X2 M-UP	A B C D E F G
176	LY30030-066A	SPACER(A)	A B C D E F G
185	LY43435-001C	MECHA BRACKET ASSY	A B C D E F G
185A	LY42796-001A	BUSH,X3	A B C D E F G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION	A B C D E F G
185B	LY43769-001A	MECHA/ARM SHEET	A B C D E F G
186	LY30019-028A	SPECIAL SCREW,X3	A B C D E F G
187	LY30018-053A	SPECIAL SCREW,X2	A B C D E F G
188	LY43190-001A	SHIELD ASSY	A B C D E F G
188A	LY43189-001A	SPACER	A B C D E F G
189	LY30018-005A	SPECIAL SCREW,X2	A B C D E F G
190	LY43083-001A	BRACKET(PRE-REC)	A B C D E F G
191	QYSPSPT1414M	SCREW	A B C D E F G
192	LY43612-001B	SHUTTER B.SHEET	A B C D E F G
193	LY32001-002A	LABEL(HOUSING)	A B C D E F G
194	LY40699-002A	LABEL(PUSH)	A B C D E F G
204	LY43857-001A	SHIELD(SHOE2)	A B C D E F G
205	LY20908-006A	LOWER CASE	D E F G
205	LY20908-005A	LOWER CASE	A B C
206	LY32715-001C	FUNCTION BUTTON	D E F G
206	LY32715-002A	FUNCTION BUTTON	A B C
207	LY30018-065A	SPECIAL SCREW,X2	A B C D E F G
208	LY43430-001A	W/B WINDOW ASSY	A B C D E F G
209	LY30018-065A	SPECIAL SCREW,X2	A B C D E F G
211	LY32244-001D	ARM ASSY(1)	A B C D E F G
212	LY30018-081A	SPECIAL SCREW	A B C D E F G
213	LY30018-081A	SPECIAL SCREW	A B C D E F G
214	LY32716-001A	ARM ASSY(2)	A B C D E F G
215	LY30018-081A	SPECIAL SCREW	A B C D E F G
216	LY30018-081A	SPECIAL SCREW	A B C D E F G
217	QYSPSPT1720D	SCREW	A B C D E F G
218	LY43531-001A	PLATE(HOT SHOE)	A B C D E F G
219	LY30018-081A	SPECIAL SCREW,X2	A B C D E F G
220	LY43114-001B	PLATE(C.C.HINGE)	A B C D E F G
221	LY43113-001A	SHAFT(C.COVER),X2	A B C D E F G
222	LY30018-081A	SPECIAL SCREW,X4	A B C D E F G
223	LY43580-001A	SHEET(BLACKOUT1)	A B C D E F G
224	LY43581-001A	SHEET(BLACKOUT2)	A B C D E F G
225	LY32709-001C	BRACKET(LOWER-BTM)1	A B C D E F G
226	LY30018-031A	SPECIAL SCREW,X2	A B C D E F G
227	LY20843-002C	OPERATION UNIT	D E F G
227	LY20843-003C	OPERATION UNIT	A B C
228	LY30018-096A	SPECIAL SCREW,X4	A B C D E F G
229	LY30018-070A	SPECIAL SCREW,X2	A B C D E F G
230	LY20757-003A	CASSETTE COVER	D E F G
230	LY20757-002B	CASSETTE COVER	A B C
231	LY30018-081A	SPECIAL SCREW,C.C-ARM1	D E F G
231	LY30018-043B	SPECIAL SCREW,C.C-ARM1	A B C
232	LY30018-081A	SPECIAL SCREW,C.C-ARM2	D E F G
232	LY30018-043B	SPECIAL SCREW,C.C-ARM2	A B C
233	LY43055-001C	SHEET(C.COVER)	A B C D E F G
234	LY32247-003A	COVER(M.ADJ)	D E F G
234	LY32247-004A	COVER(M.ADJ)	A B C
235	YQ32492-2	LABEL(CAUTION)	D E F G
235	LY43149-010A	SAFETY LABEL	A B C
236	LY32781-002A	SHOE ASSY	A B C D E F G
236A	QAL0410-001	SHOE FPC	A B C D E F G
236B	LY43878-001A	SHIELD(SHOE)	A B C D E F G
237	LY32615-001A	BRACKET(HOT SHOE)	A B C D E F G
238	LY30018-081A	SPECIAL SCREW,X3	A B C D E F G
239	LY30018-081A	SPECIAL SCREW,X2	A B C D E F G
240	LY33082-001A	MICROPHONE ASSY	A B C D E F G
241	LY43056-001B	KNOB(FUNC.)	D E F G
241	LY43056-003A	KNOB(FUNC.)	A B C
242	LY30018-081A	SPECIAL SCREW,X2	A B C D E F G
243	LY30018-0C3A	SPECIAL SCREW,X2	A B C D E F G
244	LY32627-001B	HOOD	A B C D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION	A B C D E F G
245	LY30018-080A	SPECIAL SCREW	A B C D E F G
246	LY32632-001A	OP BRACKET	A B C D E F G
247	LY30018-019A	SPECIAL SCREW	A B C D E F G
248	LY30018-081A	SPECIAL SCREW	A B C D E F G
249	LY30018-0C3A	SPECIAL SCREW	A B C D E F G
250	LY30018-053A	SPECIAL SCREW	A B C D E F G
251	LY30018-055A	SPECIAL SCREW,LO-SHUTTER	D E F G
251	LY30018-070A	SPECIAL SCREW,LO-SHUTTER	A B C
252	LY30018-0D8A	SPECIAL SCREW	A B C D E F G
256	LY43858-001A	SHEET(WIRE)	A B C D E F G
257	LY43765-001A	SHIELD(MIC)	A B C D E F G
258	LY30029-0Y7A	SPACER(A)	A B C D E F G
259	LY44170-001A	SHIELD(CCD2)	A B C D E F G
261	LY43907-001A	SHEET(MONI FPC2)	A B C D E F G
262	LY43963-001A	CUSHION(MIC.)	A B C D E F G
263	LY30030-029A	SPACER(A)(MONI.FPC)	A B C D E F G
264	LY44284-001A	SHEET(VF)	A B C D E F G
265	LY44171-001A	SHEET(CCD)	A B C D E F G
270	LY44195-002A	TAG	A B C D E F G
271	LY32884-001A	DUMMY BATTERY	D E F G
271	LY32884-002A	DUMMY BATTERY	A B C
273	LY30030-067A	SPACER(A)	A B C D E F G
		— OPTICAL BLOCK SECTION —	
255	J7C-116B	OPTICAL BLOCK ASSY	A B C D E F G
255A	LY32691-002B	ZOOM MOTOR	A B C D E F G
255B	LY32692-001D	FOCUS MOTOR	A B C D E F G
255C	LY30727-002A	SCREW,X5	A B C D E F G
255D	LY30727-001A	SCREW,X2	A B C D E F G
255E	LY43270-001A	OPTICAL LPF	A B C D E F G
255F	LY43494-001A	SHEET	A B C D E F G
255G	LY30727-006B	SCREW,X2	A B C D E F G
255H	LY33365-001A	IRIS MOTOR UNIT	A B C D E F G
255J	LYH30375-006A	CCD BASE ASSY	A B C D E F G

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MECHANISM PARTS LIST<M3>

400	YMA0029M	MECHA(A)ASSY	A B C D E F G
401	LY31543-002J	CASSETTE HOUSING ASSY	A B C D E F G
402	YQ43893-8	MINI SCREW,X3	A B C D E F G
403	LY31542-001K	UPPER BASE ASSY	A B C D E F G
404	QYSPSPU1425M	SCREW	A B C D E F G
405	YDV2096B	DRUM ASSY	A B C D E F G
406	LY42820-001A	DAMPER SCREW ASSY,X2	A B C D E F G
407	LY42820-002A	DAMPER SCREW ASSY	A B C D E F G
408	LY31538-001F	REEL DISK ASSY	A B C D E F G
409	LY31538-002H	REEL DISK ASSY	A B C D E F G
410	YQ44246	SLIT WASHER,X2	A B C D E F G
411	LY10217-001H	REEL COVER ASSY	A B C D E F G
412	LY42120-002A	MINI SCREW	A B C D E F G
413	LY41945-003A	MINI SCREW,X2	A B C D E F G
414	YQ44246	SLIT WASHER,X2	A B C D E F G
415	LY42025-001C	TENSION ARM ASSY	A B C D E F G
416	LY31535-001F	SLANT POLE ARM ASSY	A B C D E F G
417	LY42031-001J	TU ARM ASSY	A B C D E F G
418	LY31531-001D	SWING ARM ASSY	A B C D E F G
419	YQ43893-9	MINI SCREW	A B C D E F G
420	LY20530-003J	SLIDE DECK FINAL ASSY	A B C D E F G
421	YQ43893	MINI SCREW,X2	A B C D E F G
422	LY43023-001A	MINI SCREW	A B C D E F G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION	A B C D E F G
424	LY31533-001E	PAD ARM ASSY	A B C D E F G
425	YQ44246	SLIT WASHER	A B C D E F G
428	LY42016-001B	TU BRAKE ASSY	A B C D E F G
429	YQ44246	SLIT WASHER	A B C D E F G
430	LY41959-001B	TENSION CONTROL LEVER ASSY	A B C D E F G
431	LY31525-001B	CENTER GEAR	A B C D E F G
432	LY31516-001F	PINCH ROLLER ARM FINAL ASSY	A B C D E F G
433	YQ44246	SLIT WASHER	A B C D E F G
434	LY41956-001C	TENSION CONTROL PLATE ASSY	A B C D E F G
435	LY41962-001C	BRAKE CONTROL LEVER ASSY	A B C D E F G
436	LY20525-002C	MOTOR BRACKET ASSY	A B C D E F G
436A	QAR0138-001	LOADING MOTOR	A B C D E F G
436B	LY41940-001A	TAPPING SCREW,X2	A B C D E F G
437	YQ43893	MINI SCREW,X3	A B C D E F G
438	LY20528-001V	GUIDE RAIL ASSY	A B C D E F G
439	YQ43893	MINI SCREW	A B C D E F G
440	YQ44246	SLIT WASHER,X2	A B C D E F G
441	LY31498-001D	SLIDE LEVER2 ASSY	A B C D E F G
442	LY41965-001A	LOADING PLATE ASSY	A B C D E F G
443	YQ44246	SLIT WASHER	A B C D E F G
444	LY31522-001B	EJECT LEVER	A B C D E F G
445	YQ44246	SLIT WASHER	A B C D E F G
446	LY41929-001G	BASE R ASSY	A B C D E F G
447	YQ43893	MINI SCREW	A B C D E F G
448	LY41945-001B	MINI SCREW	A B C D E F G
449	LY41930-001A	MODE GEAR	A B C D E F G
450	QSW0876-003	ROTARY ENCODER	A B C D E F G
451	YQ43893	MINI SCREW,X2	A B C D E F G
452	LY31524-001B	GEAR COVER ASSY	A B C D E F G
453	YQ43893	MINI SCREW,X2	A B C D E F G
454	YQ43893-4	MINI SCREW	A B C D E F G
455	LY41948-001C	MAIN CAM ASSY	A B C D E F G
456	LY41941-001B	SLIDE ARM ASSY	A B C D E F G
457	LY41951-001B	CONNECT GEAR 2	A B C D E F G
458	LY41954-001C	SUB CAM ASSY	A B C D E F G
459	LY42120-001A	MINI SCREW	A B C D E F G
460	LY41952-001A	CONTROL ARM ASSY	A B C D E F G
461	LY31523-001B	REEL GEAR 1	A B C D E F G
462	LY31508-002B	DRUM BASE ASSY	A B C D E F G
463	QYSPSPU1425M	SCREW,X3	A B C D E F G
464	QAR0142-001	CAPSTAN MOTOR	A B C D E F G
465	YQ43893	MINI SCREW	A B C D E F G
466	LY10210-001G	MAIN DECK ASSY	A B C D E F G
476	YQ44246	SLIT WASHER	A B C D E F G

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ELECTRONIC VIEWFINDER PARTS LIST<M4>

300	LYH20538-001C	VF ASSY	A B C D E F G
301	LY32640-002C	SLIDE GUIDE INNER ASSY	A B C D E F G
302	LY43451-001A	LENS ASSY	A B C D E F G
303	LY32643-002C	VF CASE ASSY	A B C D E F G
304	LY43454-001A	BACKLIGHT CASE	A B C D E F G
305	LY43328-001A	SHEET(PRISM)	A B C D E F G
306	LY43327-001A	SHEET(DIFFUSE)	A B C D E F G
307	QLD0117-002	LCD MODULE	A B C D E F G
308	LY32646-001B	LCD HOLDER	A B C D E F G
309	LY43457-001A	CAP(VF C.HOLE)	A B C D E F G
310	LY30019-046A	SPECIAL SCREW,X2	A B C D E F G
311	LY32647-001A	EYE CUP	A B C D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION	A B C D E F G
312	LY32648-001A	EYE PIECE	A B C D E F G
313	LY32649-001D	VF FRAME	A B C D E F G
314	LY32650-002B	S.GUIDE(OUTER)	A B C D E F G
315	LY43452-001A	V.ADJ.LINK	A B C D E F G
316	LY43458-001A	V.ADJ.LEVER	A B C D E F G
317	LY43459-001A	WAVE WASHER	A B C D E F G
318	LY30018-055A	SPECIAL SCREW,X3	A B C D E F G
319	LY30018-005A	SPECIAL SCREW,X3	A B C D E F G
320	LY30018-0D4A	SPECIAL SCREW	A B C D E F G
321	LY30018-0D4A	SPECIAL SCREW	A B C D E F G
322	QAL0411-001	FPC	A B C D E F G
323	LY43775-001A	SPACER(VF LCD)	A B C D E F G
324	LY43919-001A	SHEET(VF)	A B C D E F G

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MONITOR PARTS LIST<M5>

500	LYH20540-002A	MONITOR ASSY	A B C
500	LYH20540-003A	MONITOR ASSY	D E F G
501	LY32633-002C	MONITOR CASE ASSY	D E F G
501	LY32633-001C	MONITOR CASE ASSY	A B C
501A	LY40162-001A	BRACKET	A B C D E F G
501B	LY43436-001A	EARTH SHEET(M.CASE1)	A B C D E F G
501C	LY43437-001A	EARTH SHEET(M.CASE2)	A B C D E F G
502	LY10402-003A	MONITOR COVER	D E F G
502	LY10402-002A	MONITOR COVER	A B C
502A	LY43933-002A	MARK	D E F G
502A	LY43933-003A	MARK	A B C
503	LY43078-001B	RIB(MONI.),X2	A B C D E F G
504	LY43438-001A	I.SHEET(M.COVER)	A B C D E F G
505	LY32230-002C	HINGE ASSY	A B C D E F G
506	LY32267-003A	HINGE COVER(U)	D E F G
506	LY32267-002A	HINGE COVER(U)	A B C
507	LY32268-003D	HINGE COVER(L)	D E F G
507	LY32268-002D	HINGE COVER(L)	A B C
508	LY42355-001A	MAGNET	A B C D E F G
509	LY30018-0D3A	SPECIAL SCREW,X2 M.CO-HINGE	D E F G
509	LY30018-0D9A	SPECIAL SCREW,X2 M.CO-HINGE	A B C
510	LY30018-081A	SPECIAL SCREW,M.CO-BKT	D E F G
510	LY30018-043B	SPECIAL SCREW,M.CO-BKT	A B C
511	LY30018-063A	SPECIAL SCREW,X2 H.CO-HINGE	D E F G
511	LY30018-0B7A	SPECIAL SCREW,X2,H.CO-HINGE	A B C
513	LY30029-0N7A	SPACER(A)	A B C D E F G
514	QLD0235-001	LCD MODULE	A B C D E F G
515	QLL0120-001	BACK LIGHT	A B C D E F G
516	LY32766-001A	FPC ASSY(MONI)	A B C D E F G
517	LY30029-0X8A	SPACER(A)	A B C D E F G
518	LY30030-004B	SPACER(A)	A B C D E F G
520	LY44196-001A	STICKER(MONI)	A B C D E F G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION	A B C D E F G

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MAIN BOARD ASSEMBLY<01>

PW	YB10399C-06	MAIN BOARD ASSY	D E F G
PW	YB10399D-06	MAIN BOARD ASSY	A B C
IC1001	UPD703038F1-A09	IC(MICRO C ROM),MASK	A B C D E F G
IC1001 or	UPD70F3038F1A09	IC(MICRO C ROM),FLASH	A B C D E F G
IC1002	RS5C314	IC	A B C D E F G
IC1003	25LC320X-I/ST-X	IC	A B C D E F G
IC1006	MB90097PFV149-X	IC(MICRO C ROM)	A B C D E F G
IC1007	SN74AHC1G08K	IC	A B C D E F G
IC1008	IC-PST3423U-X	IC	A B C D E F G
IC1101	NJM2143R-X	IC	A B C D E F G
IC1401	UPD703040YF-M18	IC(MICRO C ROM),DECK MASK	D E F G
IC1401	UPD703040YF-M19	IC(MICRO C ROM),DECK MASK	A B C
IC1401 or	UPD70F3040YFM18	IC(MICRO C ROM),DECK FLASH	D E F G
IC1401 or	UPD70F3040YFM19	IC(MICRO C ROM),DECK FLASH	A B C
IC1601	BD6631KV	IC	A B C D E F G
IC1701	NJM2143R-X	IC	A B C D E F G
IC1702	NJM2407R	IC	A B C D E F G
IC1801	RPM7138	IR DETECT UNIT	A B C D E F G
IC2101	AK4550VT	IC	A B C D E F G
IC2201	AK4564VQ	IC	A B C D E F G
IC3001	JCY0172	IC	A B C D E F G
IC3004	SN74AHC1G04K	IC	A B C D E F G
IC3004 or	MC74VHC1G04DF	IC	A B C D E F G
IC3005	JCY0136	IC	A B C D E F G
IC3501	JCY0132	IC	A B C D E F G
IC3701	BA7665FS	IC	A B C D E F G
IC3801	JCP8045	IC(DIGITAL)	D E F G
IC3801	JCP8055	IC	A B C
IC3901	BU2501FV	IC	A B C D E F G
IC4201	HD49334AHNP	IC	A B C D E F G
IC4202	MM1613BN-X	IC	A B C D E F G
IC4301	JCY0160-2	IC	A B C D E F G
IC4302	R1160N151B	IC	A B C D E F G
IC4303	MM1612FN-X	IC	A B C D E F G
IC5001	CXD3602AR	IC	A B C D E F G
IC5002	W194-70G-X	IC	A B C D E F G
IC5003	MM1613DN-X	IC	A B C D E F G
IC6001	S-80842CNNB-W	IC	A B C D E F G
IC6002	S-817A33ANB-W	IC	A B C D E F G
IC6003	S-814A30AMC-W	IC	A B C D E F G
IC6101	BD9713KV	IC	A B C D E F G
IC7101	CXA3272R	IC	A B C D E F G
IC7201	CXA3582R	IC	A B C D E F G
IC7202	MM1385HN	IC	A B C D E F G
IC8001	TMS320DSC24GZA	IC	A B C D E F G
IC8001 or	TMX320DSC24GZA	IC	A B C D E F G
IC8002	K4S643233F-SE75	IC(MICRO C ROM),64M SDRAM	A B C D E F G
IC8003	MBV160TE90PBA16	IC(MICRO C ROM),16M FLASH	A B C D E F G
IC8005	BU2288FV	IC	A B C D E F G
IC8301	ISP1181ABS	IC	A B C D E F G
IC8302	S-80842CNNB-W	IC	A B C D E F G
IC8501	YQ44917A	CSP IC ASSY	A B C D E F G
Q1001	DTC124EE	DIGI TRANSISTOR	A B C D E F G
Q1001 or	UN9212J	DIGI TRANSISTOR	A B C D E F G
Q1002	2SC4617/QR/-X	TRANSISTOR	A B C D E F G
Q1003	DTC143EE	DIGI TRANSISTOR	A B C D E F G
Q1003 or	RN1101	DIGI TRANSISTOR	A B C D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION	A B C D E F G
Q1003	or UN921LJ	DIGI TRANSISTOR	A B C D E F G
Q1004	DTC143XE	DIGI TRANSISTOR	A B C D E F G
Q1006	DTA114EE	DIGI TRANSISTOR	A B C D E F G
Q1006	or PDTA114EE	DIGI TRANSISTOR	A B C D E F G
Q1006	or RN2102	DIGI TRANSISTOR	A B C D E F G
Q1006	or UN9111J	DIGI TRANSISTOR	A B C D E F G
Q1007	DTC144EE	DIGI TRANSISTOR	A B C D E F G
Q1007	or PDTC144EE	DIGI TRANSISTOR	A B C D E F G
Q1007	or RN1104	DIGI TRANSISTOR	A B C D E F G
Q1007	or UN9213J	DIGI TRANSISTOR	A B C D E F G
Q1401	DTA114EE	DIGI TRANSISTOR	A B C D E F G
Q1401	or PDTA114EE	DIGI TRANSISTOR	A B C D E F G
Q1401	or RN2102	DIGI TRANSISTOR	A B C D E F G
Q1401	or UN9111J	DIGI TRANSISTOR	A B C D E F G
Q1402	UMC3N	DIGI TRANSISTOR	A B C D E F G
Q1403	UMC3N	DIGI TRANSISTOR	A B C D E F G
Q1601	UMC3N	DIGI TRANSISTOR	A B C D E F G
Q2101	UMX18N	PAIR TRANSISTOR	A B C D E F G
Q2201	2SC4617/QR/-X	TRANSISTOR	A B C D E F G
Q2401	2SC4617/QR/-X	TRANSISTOR	A B C D E F G
Q2403	2SC4617/QR/-X	TRANSISTOR	A B C D E F G
Q2701	HN1C01FE/G/-X	PAIR TRANSISTOR	A B C D E F G
Q2702	HN1C01FE/G/-X	PAIR TRANSISTOR	A B C D E F G
Q3001	2SC4617/RS/-X	TRANSISTOR	A B C D E F G
Q3002	2SC4617/RS/-X	TRANSISTOR	A B C D E F G
Q3701	UMT1N	PAIR TRANSISTOR	A B C D E F G
Q3702	UMZ1N	PAIR TRANSISTOR	A B C D E F G
Q3704	2SA1774/RS/-X	TRANSISTOR	A B C D E F G
Q3705	UMT1N	PAIR TRANSISTOR	A B C D E F G
Q6001	MCH3308	MOS FET	A B C D E F G
Q6002	2SK3019	MOS FET	A B C D E F G
Q6002	or 2SK1830	MOS FET	A B C D E F G
Q6003	MCH6613	MOS FET	A B C D E F G
Q6004	DTC144EE	DIGI TRANSISTOR	A B C D E F G
Q6004	or PDTC144EE	DIGI TRANSISTOR	A B C D E F G
Q6004	or RN1104	DIGI TRANSISTOR	A B C D E F G
Q6004	or UN9213J	DIGI TRANSISTOR	A B C D E F G
Q6101	SSM5G01TU	MOS FET	A B C D E F G
Q6102	SSM5G01TU	MOS FET	A B C D E F G
Q6103	SSM5G01TU	MOS FET	A B C D E F G
Q6104	SSM5G01TU	MOS FET	A B C D E F G
Q6105	SSM5G01TU	MOS FET	A B C D E F G
Q6106	NDS352AP	MOS FET	A B C D E F G
Q6107	2SC4617/RS/-X	TRANSISTOR	A B C D E F G
Q6108	UMZ1N	PAIR TRANSISTOR	A B C D E F G
Q6109	HN1C01FU/G/-X	PAIR TRANSISTOR	A B C D E F G
Q6109	or PUMX1	PAIR TRANSISTOR	A B C D E F G
Q6109	or UMX1N	PAIR TRANSISTOR	A B C D E F G
Q6110	2SA1577/RS/-X	TRANSISTOR	A B C D E F G
Q7101	2SA1577/QR/-X	TRANSISTOR	A B C D E F G
Q7102	DTC144EE	DIGI TRANSISTOR	A B C D E F G
Q7102	or PDTC144EE	DIGI TRANSISTOR	A B C D E F G
Q7102	or RN1104	DIGI TRANSISTOR	A B C D E F G
Q7102	or UN9213J	DIGI TRANSISTOR	A B C D E F G
Q7203	DTC144EE	DIGI TRANSISTOR	A B C D E F G
Q7203	or PDTC144EE	DIGI TRANSISTOR	A B C D E F G
Q7203	or RN1104	DIGI TRANSISTOR	A B C D E F G
Q7203	or UN9213J	DIGI TRANSISTOR	A B C D E F G
Q7204	2SA1577/QR/-X	TRANSISTOR	A B C D E F G
Q8001	2SA1774/RS/-X	TRANSISTOR	A B C D E F G
D1001	DA221	DIODE	A B C D E F G
D1001	or MA133-X	DIODE	A B C D E F G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
D1002	1SS376	DIODE		A B C D E F G
D1002	or RSD376-X	DIODE		A B C D E F G
D1602	DAP222	DIODE		A B C D E F G
D1603	DAP222	DIODE		A B C D E F G
D1604	DAP222	DIODE		A B C D E F G
D2702	EMZ6.8N	ZENER DIODE		A B C D E F G
D3001	EC2C01C	VARI CAP DIODE		A B C D E F G
D3002	EC2C01C	VARI CAP DIODE		A B C D E F G
D3003	EC2C01C	VARI CAP DIODE		A B C D E F G
D3004	MA2Z720	SB DIODE		A B C D E F G
D3701	UMZ6.8EN	ZENER DIODE		A B C D E F G
D5001	1SS355	DIODE		A B C D E F G
⚠ D6001	RB706D-40-X	SB DIODE		A B C D E F G
⚠ D6002	RB715F	SB DIODE		A B C D E F G
D6101	RB480Y	SB DIODE		A B C D E F G
D6102	RB480Y	SB DIODE		A B C D E F G
D6103	MA8043/L/-X	ZENER DIODE		A B C D E F G
D6104	RB521S-30-X	SB DIODE		A B C D E F G
D8301	1SS355	DIODE		A B C D E F G
R1001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R1002	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	A B C D E F G
R1003	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R1004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R1005	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W	A B C D E F G
R1006	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R1007	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W	A B C D E F G
R1010	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	A B C D E F G
R1015	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W	A B C D E F G
R1017	NRSA6AJ-391W	MG RESISTOR	390Ω,1/16W	A B C D E F G
R1018	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R1020	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W	A B C D E F G
R1021	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W	A B C D E F G
R1022	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W	A B C D E F G
R1025	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R1026	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R1029	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R1030	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R1033	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R1034	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W	A B C D E F G
R1035	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R1036	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R1037	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R1039	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R1040	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W	A B C D E F G
R1041	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W	A B C D E F G
R1042	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W	A B C D E F G
R1043	NRSA6AJ-682W	MG RESISTOR	6.8kΩ,1/16W	A B C D E F G
R1044	NRSA6AJ-123W	MG RESISTOR	12kΩ,1/16W	A B C D E F G
R1045	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W	A B C D E F G
R1046	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R1047	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R1048	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R1049	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W	A B C D E F G
R1050	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	A B C D E F G
R1051	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W	A B C D E F G
R1052	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W	A B C D E F G
R1053	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W	A B C D E F G
R1054	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R1055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R1056	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R1058	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A B C D E F G
R1060	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A	B	C	D	E	F	G
R1061	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A	B	C	D	E	F	G
R1066	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A	B	C	D	E	F	G
R1072	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A	B	C	D	E	F	G
R1076	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R1077	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R1084	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R1086	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R1087	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A	B	C	D	E	F	G
R1101	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W	A	B	C	D	E	F	G
R1102	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A	B	C	D	E	F	G
R1104	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A	B	C	D	E	F	G
R1106	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A	B	C	D	E	F	G
R1107	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R1108	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A	B	C	D	E	F	G
R1109	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R1401	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A	B	C	D	E	F	G
R1402	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A	B	C	D	E	F	G
R1403	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R1404	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A	B	C	D	E	F	G
R1405	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R1406	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R1407	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R1408	NRSA6AD-753W	MG RESISTOR	75kΩ,1/16W	A	B	C	D	E	F	G
R1409	NRSA6AJ-334W	MG RESISTOR	330kΩ,1/16W	A	B	C	D	E	F	G
R1411	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R1412	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R1413	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R1414	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R1415	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A	B	C	D	E	F	G
R1416	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A	B	C	D	E	F	G
R1417	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A	B	C	D	E	F	G
R1425	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A	B	C	D	E	F	G
R1601	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W	A	B	C	D	E	F	G
R1602	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W	A	B	C	D	E	F	G
R1603	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A	B	C	D	E	F	G
R1604	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A	B	C	D	E	F	G
R1605	NRV142F-R22X	CMF RESISTOR	0.22Ω,1/4W	A	B	C	D	E	F	G
R1609	NRV142F-R33X	CMF RESISTOR	0.33Ω,1/4W	A	B	C	D	E	F	G
R1610	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W	A	B	C	D	E	F	G
R1611	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W	A	B	C	D	E	F	G
R1612	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A	B	C	D	E	F	G
R1613	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A	B	C	D	E	F	G
R1616	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W	A	B	C	D	E	F	G
R1619	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W	A	B	C	D	E	F	G
R1620	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R1621	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R1622	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R1624	NRVA6AD-123W	CMF RESISTOR	12kΩ,1/16W	A	B	C	D	E	F	G
R1628	NRVA6AD-361W	CMF RESISTOR	360Ω,1/16W	A	B	C	D	E	F	G
R1629	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	A	B	C	D	E	F	G
R1630	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R1631	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R1635	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A	B	C	D	E	F	G
R1636	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R1637	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W	A	B	C	D	E	F	G
R1701	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W	A	B	C	D	E	F	G
R1702	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A	B	C	D	E	F	G
R1703	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A	B	C	D	E	F	G
R1704	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A	B	C	D	E	F	G
R1705	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A	B	C	D	E	F	G
R1706	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W	A	B	C	D	E	F	G
R1707	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A	B	C	D	E	F	G
R1708	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W	A	B	C	D	E	F	G
R1709	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R1710	NRSA6AJ-124W	MG RESISTOR	120kΩ,1/16W	A	B	C	D	E	F	G
R1711	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A	B	C	D	E	F	G
R1712	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A	B	C	D	E	F	G
R1801	NRSA6AJ-470W	MG RESISTOR	47Ω,1/16W	A	B	C	D	E	F	G
R2101	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W	A	B	C	D	E	F	G
R2102	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W	A	B	C	D	E	F	G
R2105	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R2106	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R2107	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	A	B	C	D	E	F	G
R2108	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	A	B	C	D	E	F	G
R2109	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R2110	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2111	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2112	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2201	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	A	B	C	D	E	F	G
R2202	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	A	B	C	D	E	F	G
R2203	NRSA6AJ-393W	MG RESISTOR	39kΩ,1/16W	A	B	C	D	E	F	G
R2204	NRSA6AJ-154W	MG RESISTOR	150kΩ,1/16W	A	B	C	D	E	F	G
R2205	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A	B	C	D	E	F	G
R2206	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W	A	B	C	D	E	F	G
R2207	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W	A	B	C	D	E	F	G
R2208	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	A	B	C	D	E	F	G
R2209	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	A	B	C	D	E	F	G
R2210	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2211	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2212	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W	A	B	C	D	E	F	G
R2213	NRSA6AJ-2R7W	MG RESISTOR	2.7Ω,1/16W	A	B	C	D	E	F	G
R2214	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A	B	C	D	E	F	G
R2215	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A	B	C	D	E	F	G
R2216	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A	B	C	D	E	F	G
R2217	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A	B	C	D	E	F	G
R2218	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A	B	C	D	E	F	G
R2219	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2220	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2221	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2222	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A	B	C	D	E	F	G
R2223	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A	B	C	D	E	F	G
R2224	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A	B	C	D	E	F	G
R2225	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2226	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2227	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	A	B	C	D	E	F	G
R2228	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	A	B	C	D	E	F	G
R2401	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A	B	C	D	E	F	G
R2402	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A	B	C	D	E	F	G
R2403	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W	A	B	C	D	E	F	G
R2406	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R2407	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A	B	C	D	E	F	G
R2601	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A	B	C	D	E	F	G
R2602	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A	B	C	D	E	F	G
R2603	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R2604	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R2605	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R2606	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A	B	C	D	E	F	G
R2607	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A	B	C	D	E	F	G
R2608	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A	B	C	D	E	F	G
R2609	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	A	B	C	D	E	F	G
R2610	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	A	B	C	D	E	F	G
R2611	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R2612	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A	B	C	D	E	F	G
R2615	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A	B	C	D	E	F	G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
R2617	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R2701	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	A B C D E F G
R2702	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	A B C D E F G
R2703	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	A B C D E F G
R2704	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	A B C D E F G
R2705	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A B C D E F G
R2706	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W	A B C D E F G
R2707	NRSA6AJ-221W	MG RESISTOR	220Ω,1/16W	A B C D E F G
R2708	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R2709	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R2710	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A B C D E F G
R2711	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R2712	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R2909	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R3002	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3004	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3006	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R3007	NRSA6AJ-562W	MG RESISTOR	5.6kΩ,1/16W	A B C D E F G
R3008	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A B C D E F G
R3009	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3010	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3011	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	A B C D E F G
R3012	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R3013	NRSA6AJ-242W	MG RESISTOR	2.4kΩ,1/16W	A B C D E F G
R3014	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W	A B C D E F G
R3015	NRSA6AJ-392W	MG RESISTOR	3.9kΩ,1/16W	A B C D E F G
R3016	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W	A B C D E F G
R3017	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W	A B C D E F G
R3018	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W	A B C D E F G
R3019	NRSA6AD-560W	MG RESISTOR	56Ω,1/16W	A B C D E F G
R3020	NRSA6AD-512W	MG RESISTOR	5.1kΩ,1/16W	A B C D E F G
R3021	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R3022	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R3023	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R3024	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R3027	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3028	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W	A B C D E F G
R3030	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	A B C D E F G
R3031	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	A B C D E F G
R3032	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A B C D E F G
R3033	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A B C D E F G
R3038	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	A B C D E F G
R3039	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	A B C D E F G
R3043	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W	A B C D E F G
R3044	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R3045	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3046	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W	A B C D E F G
R3050	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R3051	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R3052	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3053	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3054	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3055	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3056	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3058	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3059	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R3501	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W	A B C D E F G
R3502	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R3503	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R3504	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W	A B C D E F G
R3505	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W	A B C D E F G
R3506	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W	A B C D E F G
R3507	NRSA6AD-241W	MG RESISTOR	240Ω,1/16W	A B C D E F G
R3508	NRSA6AJ-223W	MG RESISTOR	22kΩ,1/16W	A B C D E F G
R3521	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R3522	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R3523	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R3525	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R3701	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W	A B C D E F G
R3702	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W	A B C D E F G
R3703	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A B C D E F G
R3704	NRSA6AJ-301W	MG RESISTOR	300Ω,1/16W	A B C D E F G
R3705	NRSA6AJ-301W	MG RESISTOR	300Ω,1/16W	A B C D E F G
R3706	NRSA6AJ-332W	MG RESISTOR	3.3kΩ,1/16W	A B C D E F G
R3707	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W	A B C D E F G
R3708	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W	A B C D E F G
R3709	NRSA6AJ-680W	MG RESISTOR	68Ω,1/16W	A B C D E F G
R3710	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3711	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3712	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A B C D E F G
R3713	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R3714	NRSA6AJ-823W	MG RESISTOR	82kΩ,1/16W	A B C D E F G
R3715	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R3721	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R3722	NRSA6AD-151W	MG RESISTOR	150Ω,1/16W	A B C D E F G
R3724	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R3725	NRSA6AD-151W	MG RESISTOR	150Ω,1/16W	A B C D E F G
R3726	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R3727	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R3728	NRSA6AD-151W	MG RESISTOR	150Ω,1/16W	A B C D E F G
R3730	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R3801	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R3802	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	A B C D E F G
R3803	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W	A B C D E F G
R3804	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W	A B C D E F G
R3805	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	A B C D E F G
R3807	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R4201	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R4202	NRSA6AJ-510W	MG RESISTOR	51Ω,1/16W	A B C D E F G
R4203	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W	A B C D E F G
R4204	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R4205	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R4301	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W	A B C D E F G
R4303	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A B C D E F G
R4304	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A B C D E F G
R4305	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A B C D E F G
R4306	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	A B C D E F G
R4307	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A B C D E F G
R4308	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R4309	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R4310	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R4311	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R4312	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R4313	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R4316	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R4318	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R4320	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R4321	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R4322	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R4323	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R4325	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R5001	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R5002	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R5003	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
R5004	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R5005	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R5006	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R5009	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R5010	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R5017	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R5020	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R6001	NRSA6AD-183W	MG RESISTOR	18kΩ,1/16W	A B C D E F G
R6002	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R6003	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R6004	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R6005	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R6006	NRSA6AJ-224W	MG RESISTOR	220kΩ,1/16W	A B C D E F G
R6007	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R6008	NRSA6AD-823W	MG RESISTOR	82kΩ,1/16W	A B C D E F G
R6009	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
⚠ R6010	NRSA63J-471X	MG RESISTOR	470Ω,1/16W	A B C D E F G
⚠ R6011	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R6101	NRSA6AD-302W	MG RESISTOR	3kΩ,1/16W	A B C D E F G
R6102	NRSA6AD-243W	MG RESISTOR	24kΩ,1/16W	A B C D E F G
R6103	NRSA6AD-163W	MG RESISTOR	16kΩ,1/16W	A B C D E F G
R6104	NRSA6AD-153W	MG RESISTOR	15kΩ,1/16W	A B C D E F G
R6105	NRSA6AD-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R6106	NRSA6AD-623W	MG RESISTOR	62kΩ,1/16W	A B C D E F G
R6107	NRSA6AD-223W	MG RESISTOR	22kΩ,1/16W	A B C D E F G
R6108	NRSA6AD-123W	MG RESISTOR	12kΩ,1/16W	A B C D E F G
R6109	NRSA6AD-562W	MG RESISTOR	5.6kΩ,1/16W	A B C D E F G
R6110	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R6111	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R6112	NRSA6AJ-272W	MG RESISTOR	2.7kΩ,1/16W	A B C D E F G
R6114	NRSA6AD-752W	MG RESISTOR	7.5kΩ,1/16W	A B C D E F G
R6115	NRSA6AD-683W	MG RESISTOR	68kΩ,1/16W	A B C D E F G
R6116	NRVA6AD-473W	CMF RESISTOR	47kΩ,1/16W	A B C D E F G
R6117	NRSA6AD-433W	MG RESISTOR	43kΩ,1/16W	A B C D E F G
R6118	NRSA6AD-433W	MG RESISTOR	43kΩ,1/16W	A B C D E F G
R6120	NRSA6AD-183W	MG RESISTOR	18kΩ,1/16W	A B C D E F G
R6121	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W	A B C D E F G
R6122	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W	A B C D E F G
R6123	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R6124	NRSA6AD-223W	MG RESISTOR	22kΩ,1/16W	A B C D E F G
R6125	NRSA6AD-123W	MG RESISTOR	12kΩ,1/16W	A B C D E F G
R6126	NRSA6AD-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R6127	NRSA6AD-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R6128	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W	A B C D E F G
R6129	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W	A B C D E F G
R6130	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W	A B C D E F G
R6131	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W	A B C D E F G
R6132	NRSA6AJ-121W	MG RESISTOR	120Ω,1/16W	A B C D E F G
R6133	NRSA6AJ-151W	MG RESISTOR	150Ω,1/16W	A B C D E F G
R6134	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R6135	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A B C D E F G
R6136	NRSA6AD-363W	MG RESISTOR	36kΩ,1/16W	A B C D E F G
R6137	NRSA6AD-393W	MG RESISTOR	39kΩ,1/16W	A B C D E F G
R6138	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R6139	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W	A B C D E F G
R6140	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W	A B C D E F G
R6141	NRSA6AD-823W	MG RESISTOR	82kΩ,1/16W	A B C D E F G
R6142	NRSA6AD-513W	MG RESISTOR	51kΩ,1/16W	A B C D E F G
R6143	NRSA6AD-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R7101	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7102	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7103	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
R7104	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R7105	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7106	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7107	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7108	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7109	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7112	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R7113	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R7114	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R7116	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R7117	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R7118	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R7119	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W	A B C D E F G
R7120	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R7121	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R7122	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R7123	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R7124	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R7201	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R7202	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R7203	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R7204	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R7213	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7214	NRSA6AJ-100W	MG RESISTOR	10Ω,1/16W	A B C D E F G
R7215	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7216	NRSA6AD-433W	MG RESISTOR	43kΩ,1/16W	A B C D E F G
R7217	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R7218	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7219	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7220	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7221	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7222	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R7224	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R7225	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R7226	NRSA6AJ-122W	MG RESISTOR	1.2kΩ,1/16W	A B C D E F G
R7227	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R7228	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R7229	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R7230	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R8001	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R8002	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R8003	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R8004	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R8005	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R8006	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R8007	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R8009	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R8011	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R8012	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A B C D E F G
R8013	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R8014	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R8016	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R8017	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R8022	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A B C D E F G
R8037	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R8038	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A B C D E F G
R8043	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A B C D E F G
R8046	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
R8049	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R8051	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R8052	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A B C D E F G
R8055	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A B C D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A	B	C	D	E	F	G
R8057	NRSA6AJ-560W	MG RESISTOR	56Ω,1/16W	A	B	C	D	E	F	G
R8302	NRS181J-220X	MG RESISTOR	22Ω,1/8W	A	B	C	D	E	F	G
R8303	NRS181J-220X	MG RESISTOR	22Ω,1/8W	A	B	C	D	E	F	G
R8305	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A	B	C	D	E	F	G
R8306	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R8307	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R8308	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R8309	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R8310	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W	A	B	C	D	E	F	G
R8311	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A	B	C	D	E	F	G
R8313	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R8502	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A	B	C	D	E	F	G
R8503	NRSA6AJ-220W	MG RESISTOR	22Ω,1/16W	A	B	C	D	E	F	G
R8504	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
R8505	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
RA1008	NRZ0034-104W	NETWORK RESISTOR	100kΩ	A	B	C	D	E	F	G
RA1009	NRZ0034-104W	NETWORK RESISTOR	100kΩ	A	B	C	D	E	F	G
RA1010	NRZ0034-104W	NETWORK RESISTOR	100kΩ	A	B	C	D	E	F	G
RA1401	NRZ0034-473W	NETWORK RESISTOR	47kΩ	A	B	C	D	E	F	G
RA3001	NRZ0064-100W	NETWORK RESISTOR	10Ω	A	B	C	D	E	F	G
RA3002	NRZ0064-100W	NETWORK RESISTOR	10Ω	A	B	C	D	E	F	G
RA4201	NRZ0034-101W	NETWORK RESISTOR	100Ω	A	B	C	D	E	F	G
RA4202	NRZ0034-101W	NETWORK RESISTOR	100Ω	A	B	C	D	E	F	G
RA4301	NRZ0034-181W	NETWORK RESISTOR	180Ω	A	B	C	D	E	F	G
RA4302	NRZ0034-181W	NETWORK RESISTOR	180Ω	A	B	C	D	E	F	G
RA4303	NRZ0034-181W	NETWORK RESISTOR	180Ω	A	B	C	D	E	F	G
RA4304	NRZ0034-181W	NETWORK RESISTOR	180Ω	A	B	C	D	E	F	G
RA4305	NRZ0034-100W	NETWORK RESISTOR	10Ω	A	B	C	D	E	F	G
RA4306	NRZ0034-100W	NETWORK RESISTOR	10Ω	A	B	C	D	E	F	G
RA4307	NRZ0034-100W	NETWORK RESISTOR	10Ω	A	B	C	D	E	F	G
RA4308	NRZ0034-100W	NETWORK RESISTOR	10Ω	A	B	C	D	E	F	G
RA8001	NRZ0034-101W	NETWORK RESISTOR	100Ω	A	B	C	D	E	F	G
RA8002	NRZ0034-101W	NETWORK RESISTOR	100Ω	A	B	C	D	E	F	G
RA8003	NRZ0034-101W	NETWORK RESISTOR	100Ω	A	B	C	D	E	F	G
RA8004	NRZ0034-101W	NETWORK RESISTOR	100Ω	A	B	C	D	E	F	G
C1003	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C1004	NCB31CK-104X	CAPACITOR	0.1μF,16V	A	B	C	D	E	F	G
C1006	NDCA1HJ-270W	CAPACITOR	27pF,50V	A	B	C	D	E	F	G
C1007	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1011	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1012	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1013	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1015	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1016	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1017	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1018	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1019	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1023	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1026	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1027	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1028	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1029	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1030	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1031	NCF31AZ-105X	CAPACITOR	1μF,10V	A	B	C	D	E	F	G
C1034	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1036	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1037	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1038	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1039	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1101	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1102	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A	B	C	D	E	F	G
C1103	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A	B	C	D	E	F	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A	B	C	D	E	F	G
C1111	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C1112	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C1113	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C1401	NDCA1HJ-100W	CAPACITOR	10pF,50V	A	B	C	D	E	F	G
C1402	NDCA1HJ-100W	CAPACITOR	10pF,50V	A	B	C	D	E	F	G
C1403	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1404	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1405	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1406	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1407	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1409	NCBA1EK-682W	CAPACITOR	0.0068μF,25V	A	B	C	D	E	F	G
C1410	NCBA1EK-682W	CAPACITOR	0.0068μF,25V	A	B	C	D	E	F	G
C1411	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1412	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A	B	C	D	E	F	G
C1413	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A	B	C	D	E	F	G
C1414	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A	B	C	D	E	F	G
C1415	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A	B	C	D	E	F	G
C1416	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1601	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1602	NBLJ0JM-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C1603	NBLJ0JM-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C1605	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1606	NCBA1HK-152W	CAPACITOR	0.0015μF,50V	A	B	C	D	E	F	G
C1607	NCBA1AK-473W	CAPACITOR	0.047μF,10V	A	B	C	D	E	F	G
C1614	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C1618	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	A	B	C	D	E	F	G
C1619	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	A	B	C	D	E	F	G
C1620	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	A	B	C	D	E	F	G
C1621	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C1622	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A	B	C	D	E	F	G
C1623	NCBA1AK-473W	CAPACITOR	0.047μF,10V	A	B	C	D	E	F	G
C1624	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C1625	NCBA1AK-473W	CAPACITOR	0.047μF,10V	A	B	C	D	E	F	G
C1626	NCBA1HK-331W	CAPACITOR	330pF,50V	A	B	C	D	E	F	G
C1627	NCBA1CK-822W	CAPACITOR	0.0082μF,16V	A	B	C	D	E	F	G
C1628	NCB21CK-224X	CAPACITOR	0.22μF,16V	A	B	C	D	E	F	G
C1632	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C1633	NCB21CK-474X	CAPACITOR	0.47μF,16V	A	B	C	D	E	F	G
C1641	NCB21CK-474X	CAPACITOR	0.47μF,16V	A	B	C	D	E	F	G
C1701	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1702	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C1801	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C2101	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C2102	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C2103	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C2104	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C2105	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	A	B	C	D	E	F	G
C2106	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	A	B	C	D	E	F	G
C2107	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C2108	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C2109	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C2110	NBE90JM-475X	T CAPACITOR	4.7μF,6.3V	A	B	C	D	E	F	G
C2201	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C2202	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C2203	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C2204	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C2205	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C2206	NBE20GM-476X	T CAPACITOR	47μF,4.0V	A	B	C	D	E	F	G
C2207	NBE20GM-476X	T CAPACITOR	47μF,4.0V	A	B	C	D	E	F	G
C2208	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C2209	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C2210	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
C2211	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2212	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2213	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2214	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2215	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2216	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2217	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2218	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2223	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2224	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2225	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2401	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C2402	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C2403	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C2404	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C2405	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2406	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C2603	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A B C D E F G
C2604	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A B C D E F G
C2605	NCBA1EK-472W	CAPACITOR	0.0047μF,25V	A B C D E F G
C2606	NCBA1EK-472W	CAPACITOR	0.0047μF,25V	A B C D E F G
C2607	NCBA1AK-473W	CAPACITOR	0.047μF,10V	A B C D E F G
C2608	NCBA1AK-473W	CAPACITOR	0.047μF,10V	A B C D E F G
C2609	NCBA1HK-102W	CAPACITOR	0.001μF,50V	A B C D E F G
C2610	NCBA1HK-102W	CAPACITOR	0.001μF,50V	A B C D E F G
C2611	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C2612	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C2613	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C2614	NDCA1HJ-101W	CAPACITOR	100pF,50V	A B C D E F G
C2615	NDCA1HJ-101W	CAPACITOR	100pF,50V	A B C D E F G
C2616	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A B C D E F G
C2617	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A B C D E F G
C2620	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C2701	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C2907	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C3001	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C3002	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C3003	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C3005	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C3006	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C3007	NCB10JK-106X	CAPACITOR	10μF,6.3V	A B C D E F G
C3008	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C3010	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3011	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3012	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3013	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3015	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3016	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3017	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3018	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
C3020	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3021	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3022	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3023	NDCA1HJ-330W	CAPACITOR	33pF,50V	A B C D E F G
C3024	NCBA1HK-102W	CAPACITOR	0.001μF,50V	A B C D E F G
C3025	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3026	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C3027	NCBA1EK-472W	CAPACITOR	0.0047μF,25V	A B C D E F G
C3028	NDCA1EJ-271W	CAPACITOR	270pF,25V	A B C D E F G
C3029	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3030	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3031	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3032	NCBA1HK-102W	CAPACITOR	0.001μF,50V	A B C D E F G
C3033	NDCA1HJ-220W	CAPACITOR	22pF,50V	A B C D E F G
C3036	NDCA1HJ-8R0W	CAPACITOR	8pF,50V	A B C D E F G
C3037	NDCA1HJ-8R0W	CAPACITOR	8pF,50V	A B C D E F G
C3038	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3039	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3042	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3043	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3044	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3045	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3046	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3047	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3048	NCB31CK-473X	CAPACITOR	0.047μF,16V	A B C D E F G
C3049	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	A B C D E F G
C3050	NCBA1HK-102W	CAPACITOR	0.001μF,50V	A B C D E F G
C3051	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3053	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3055	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C3059	NCBA1HK-102W	CAPACITOR	0.001μF,50V	A B C D E F G
C3060	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3501	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C3502	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C3503	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C3504	NCBA1AK-473W	CAPACITOR	0.047μF,10V	A B C D E F G
C3505	NCBA1CK-223W	CAPACITOR	0.022μF,16V	A B C D E F G
C3506	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C3507	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3508	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3509	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3510	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3511	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3512	NCB31CK-104X	CAPACITOR	0.1μF,16V	A B C D E F G
C3513	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3514	NCBA1AK-473W	CAPACITOR	0.047μF,10V	A B C D E F G
C3515	NCBA1AK-473W	CAPACITOR	0.047μF,10V	A B C D E F G
C3516	NCBA1AK-473W	CAPACITOR	0.047μF,10V	A B C D E F G
C3517	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3518	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3519	NCBA1HK-102W	CAPACITOR	0.001μF,50V	A B C D E F G
C3520	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3521	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3522	NCB20JM-475X	CAPACITOR	4.7μF,6.3V	A B C D E F G
C3523	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3524	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3525	NCB20JM-475X	CAPACITOR	4.7μF,6.3V	A B C D E F G
C3526	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3527	NDCA1EJ-221W	CAPACITOR	220pF,25V	A B C D E F G
C3701	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A B C D E F G
C3702	NDCA1HJ-560W	CAPACITOR	56pF,50V	A B C D E F G
C3703	NDCA1HJ-270W	CAPACITOR	27pF,50V	A B C D E F G
C3704	NDCA1HJ-680W	CAPACITOR	68pF,50V	A B C D E F G
C3705	NDCA1HJ-270W	CAPACITOR	27pF,50V	A B C D E F G
C3706	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G
C3707	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3708	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A B C D E F G
C3709	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3710	NBE90GM-226X	T CAPACITOR	22μF,4.0V	A B C D E F G
C3711	NBE90GM-226X	T CAPACITOR	22μF,4.0V	A B C D E F G
C3712	NBE20GM-107X	T CAPACITOR	100μF,4.0V	A B C D E F G
C3713	NBE20GM-107X	T CAPACITOR	100μF,4.0V	A B C D E F G
C3715	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A B C D E F G
C3801	NCB30JK-105X	CAPACITOR	1μF,6.3V	A B C D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A	B	C	D	E	F	G
C3802	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C3803	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C3804	NBE20GM-476X	T CAPACITOR	47µF,4.0V	A	B	C	D	E	F	G
C3805	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C3806	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C3807	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C3808	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C3809	NCB31CK-104X	CAPACITOR	0.1µF,16V	A	B	C	D	E	F	G
C3810	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C3811	NCB31CK-104X	CAPACITOR	0.1µF,16V	A	B	C	D	E	F	G
C3812	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C3813	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C3814	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C3815	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C3816	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C3817	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C3818	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C3819	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C3901	NBE90GM-226X	T CAPACITOR	22µF,4.0V	A	B	C	D	E	F	G
C3902	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C4201	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C4202	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C4203	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C4204	NBE20GM-107X	T CAPACITOR	100µF,4.0V	A	B	C	D	E	F	G
C4205	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4206	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4207	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4209	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4210	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C4211	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C4212	NCBA1CK-123W	CAPACITOR	0.012µF,16V	A	B	C	D	E	F	G
C4213	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4214	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4215	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4219	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4220	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C4221	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C4222	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C4223	NDC31HJ-100X	CAPACITOR	10pF,50V	A	B	C	D	E	F	G
C4301	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C4302	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C4303	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C4304	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C4305	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C4306	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C4307	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C4308	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C4309	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4310	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4311	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4312	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4313	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C4316	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C4317	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C4318	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5001	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C5002	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C5003	NBE20JM-226X	T CAPACITOR	22µF,6.3V	A	B	C	D	E	F	G
C5004	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C5005	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5006	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5008	NBE20GM-476X	T CAPACITOR	47µF,4.0V	A	B	C	D	E	F	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A	B	C	D	E	F	G
C5009	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C5010	NBZ0003-475X	TA E CAPACITOR	4.7µF,20V	A	B	C	D	E	F	G
C5011	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5012	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5013	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5014	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5015	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5017	NBE41AM-476X	T CAPACITOR	47µF,10V	A	B	C	D	E	F	G
C5018	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5019	NCF31EK-104X	CAPACITOR	0.1µF,25V	A	B	C	D	E	F	G
C5021	NBZ0003-475X	TA E CAPACITOR	4.7µF,20V	A	B	C	D	E	F	G
C5022	NCF31EK-104X	CAPACITOR	0.1µF,25V	A	B	C	D	E	F	G
C5023	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5024	NCF31EK-104X	CAPACITOR	0.1µF,25V	A	B	C	D	E	F	G
C5025	NBP21VM-105X	T CAPACITOR	1µF,35V	A	B	C	D	E	F	G
C5026	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5027	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C5028	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C5029	NCB31EK-104X	CAPACITOR	0.1µF,25V	A	B	C	D	E	F	G
C6001	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C6002	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C6003	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C6004	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C6005	NBP21CM-685X	T CAPACITOR	6.8µF,16V	A	B	C	D	E	F	G
C6006	NCF31AZ-105X	CAPACITOR	1µF,10V	A	B	C	D	E	F	G
C6007	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C6008	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C6101	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C6102	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C6103	NCBA1HK-102W	CAPACITOR	0.001µF,50V	A	B	C	D	E	F	G
C6104	NCBA1HK-561W	CAPACITOR	560pF,50V	A	B	C	D	E	F	G
C6105	NCBA1HK-561W	CAPACITOR	560pF,50V	A	B	C	D	E	F	G
C6106	NBP21CM-685X	T CAPACITOR	6.8µF,16V	A	B	C	D	E	F	G
C6107	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C6108	NDCA1HJ-101W	CAPACITOR	100pF,50V	A	B	C	D	E	F	G
C6109	NDCA1HJ-150W	CAPACITOR	15pF,50V	A	B	C	D	E	F	G
C6110	NCBA1HK-272W	CAPACITOR	0.0027µF,50V	A	B	C	D	E	F	G
C6111	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C6112	NCBA1HK-102W	CAPACITOR	0.001µF,50V	A	B	C	D	E	F	G
C6113	NCBA1EK-472W	CAPACITOR	0.0047µF,25V	A	B	C	D	E	F	G
C6114	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A	B	C	D	E	F	G
C6115	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C6116	NCBA1HK-102W	CAPACITOR	0.001µF,50V	A	B	C	D	E	F	G
C6117	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A	B	C	D	E	F	G
C6118	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
C6119	NCBA1CK-223W	CAPACITOR	0.022µF,16V	A	B	C	D	E	F	G
C6120	NCBA1CK-223W	CAPACITOR	0.022µF,16V	A	B	C	D	E	F	G
C6121	NCBA1CK-223W	CAPACITOR	0.022µF,16V	A	B	C	D	E	F	G
C6122	NCB31AK-224X	CAPACITOR	0.22µF,10V	A	B	C	D	E	F	G
C6123	NCB31CK-683X	CAPACITOR	0.068µF,16V	A	B	C	D	E	F	G
C6124	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C6125	NCB10JK-106X	CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C6126	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C6127	NCB10JK-106X	CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C6128	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C6129	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C6130	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C6131	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C6132	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G
C6133	NCB10JK-106X	CAPACITOR	10µF,6.3V	A	B	C	D	E	F	G
C6134	NCB30JK-105X	CAPACITOR	1µF,6.3V	A	B	C	D	E	F	G
C6135	NCB21CK-105X	CAPACITOR	1µF,16V	A	B	C	D	E	F	G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A	B	C	D	E	F	G
C6136	NCB21CK-105X	CAPACITOR	1μF,16V	A	B	C	D	E	F	G
C6137	NCB21CK-105X	CAPACITOR	1μF,16V	A	B	C	D	E	F	G
C6138	NCB11CK-475X	CAPACITOR	4.7μF,16V	A	B	C	D	E	F	G
C6139	NCB11EK-105X	CAPACITOR	1μF,25V	A	B	C	D	E	F	G
C6140	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C6141	NCB21CK-105X	CAPACITOR	1μF,16V	A	B	C	D	E	F	G
C6142	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C6143	NCB21CK-105X	CAPACITOR	1μF,16V	A	B	C	D	E	F	G
C7101	NBE91AM-335X	T CAPACITOR	3.3μF,10V	A	B	C	D	E	F	G
C7102	NCB31EK-682X	CAPACITOR	0.0068μF,25V	A	B	C	D	E	F	G
C7106	NBP21DM-475X	T CAPACITOR	4.7μF,20V	A	B	C	D	E	F	G
C7107	NBE81AM-106X	T CAPACITOR	10μF,10V	A	B	C	D	E	F	G
C7108	NCB21AK-105X	CAPACITOR	1μF,10V	A	B	C	D	E	F	G
C7109	NCB21AK-105X	CAPACITOR	1μF,10V	A	B	C	D	E	F	G
C7110	NCB21AK-105X	CAPACITOR	1μF,10V	A	B	C	D	E	F	G
C7111	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C7115	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C7116	NCBA1HK-222W	CAPACITOR	0.0022μF,50V	A	B	C	D	E	F	G
C7117	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C7118	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C7119	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C7120	NBP21DM-475X	T CAPACITOR	4.7μF,20V	A	B	C	D	E	F	G
C7121	NCB31CK-104X	CAPACITOR	0.1μF,16V	A	B	C	D	E	F	G
C7122	NBE90GM-226X	T CAPACITOR	22μF,4.0V	A	B	C	D	E	F	G
C7123	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C7124	NBE90GM-226X	T CAPACITOR	22μF,4.0V	A	B	C	D	E	F	G
C7125	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C7126	NBP21DM-475X	T CAPACITOR	4.7μF,20V	A	B	C	D	E	F	G
C7127	NBP21DM-475X	T CAPACITOR	4.7μF,20V	A	B	C	D	E	F	G
C7128	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C7201	NBE21AM-106X	T CAPACITOR	10μF,10V	A	B	C	D	E	F	G
C7202	NCB21CK-105X	CAPACITOR	1μF,16V	A	B	C	D	E	F	G
C7203	NCB21CK-105X	CAPACITOR	1μF,16V	A	B	C	D	E	F	G
C7204	NCB21CK-105X	CAPACITOR	1μF,16V	A	B	C	D	E	F	G
C7205	NBP21DM-475X	T CAPACITOR	4.7μF,20V	A	B	C	D	E	F	G
C7206	NCB21CK-105X	CAPACITOR	1μF,16V	A	B	C	D	E	F	G
C7207	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C7209	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C7210	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C7211	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C7213	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C7214	NBE91AM-335X	T CAPACITOR	3.3μF,10V	A	B	C	D	E	F	G
C7215	NCBA1EK-682W	CAPACITOR	0.0068μF,25V	A	B	C	D	E	F	G
C7216	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C7217	NCB21CK-105X	CAPACITOR	1μF,16V	A	B	C	D	E	F	G
C7218	NBP21VM-155X	T CAPACITOR	1.5μF,35V	A	B	C	D	E	F	G
C7219	NCB21EK-104X	CAPACITOR	0.1μF,25V	A	B	C	D	E	F	G
C7220	NBP21DM-475X	T CAPACITOR	4.7μF,20V	A	B	C	D	E	F	G
C7221	NCB31CK-104X	CAPACITOR	0.1μF,16V	A	B	C	D	E	F	G
C7222	NBE90GM-226X	T CAPACITOR	22μF,4.0V	A	B	C	D	E	F	G
C7223	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C7224	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C7225	NBE90GM-226X	T CAPACITOR	22μF,4.0V	A	B	C	D	E	F	G
C7226	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C7227	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C7228	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C7229	NBP21DM-475X	T CAPACITOR	4.7μF,20V	A	B	C	D	E	F	G
C7230	NBP21VM-155X	T CAPACITOR	1.5μF,35V	A	B	C	D	E	F	G
C7231	NBE90JM-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C8001	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C8002	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C8003	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A	B	C	D	E	F	G
C8004	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8005	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8006	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C8007	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8008	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8009	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8010	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8011	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8014	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8015	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8016	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8017	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8018	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8019	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8020	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C8021	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8022	NCB30JK-105X	CAPACITOR	1μF,6.3V	A	B	C	D	E	F	G
C8023	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C8024	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C8025	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C8026	NCBA1CK-103W	CAPACITOR	0.01μF,16V	A	B	C	D	E	F	G
C8301	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C8305	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8306	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8307	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8310	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8311	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8501	NBZ0015-106X	T CAPACITOR	10μF,6.3V	A	B	C	D	E	F	G
C8502	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8503	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8504	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
C8505	NCBA1AK-104W	CAPACITOR	0.1μF,10V	A	B	C	D	E	F	G
L1002	NQR0006-001X	FERRITE BEAD		A	B	C	D	E	F	G
L1101	NQL402M-100X	COIL	10μH	A	B	C	D	E	F	G
L1401	NQR0006-001X	FERRITE BEAD		A	B	C	D	E	F	G
L2101	NQL402M-100X	COIL	10μH	A	B	C	D	E	F	G
L2401	NQL402M-100X	COIL	10μH	A	B	C	D	E	F	G
L2402	NQL402M-100X	COIL	10μH	A	B	C	D	E	F	G
L2601	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
L2602	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
L2603	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	A	B	C	D	E	F	G
L2701	NQR0129-002X	FERRITE BEAD		A	B	C	D	E	F	G
L3001	NQR0129-002X	FERRITE BEAD		A	B	C	D	E	F	G
L3002	NQR0129-002X	FERRITE BEAD		A	B	C	D	E	F	G
L3004	NQR0006-001X	FERRITE BEAD		A	B	C	D	E	F	G
L3005	NQR0006-001X	FERRITE BEAD		A	B	C	D	E	F	G
L3007	NQL085J-2R2X	COIL	2.2μH	A	B	C	D	E	F	G
L3008	NQL085J-120X	COIL	12μH	A	B	C	D	E	F	G
L3010	NQR0383-003X	COIL		A	B	C	D	E	F	G
L3011	NQR0383-003X	COIL		A	B	C	D	E	F	G
L3012	NQR0006-001X	FERRITE BEAD		A	B	C	D	E	F	G
L3013	NQR0129-002X	FERRITE BEAD		A	B	C	D	E	F	G
L3501	NQR0129-002X	FERRITE BEAD		A	B	C	D	E	F	G
L3502	NQL402M-100X	COIL	10μH	A	B	C	D	E	F	G
L3503	NQR0006-001X	FERRITE BEAD		A	B	C	D	E	F	G
L3504	NQR0006-001X	FERRITE BEAD		A	B	C	D	E	F	G
L3505	NQR0006-001X	FERRITE BEAD		A	B	C	D	E	F	G
L3701	NQL38DK-100X	COIL	10μH	A	B	C	D	E	F	G
L3801	NQR0129-002X	FERRITE BEAD		A	B	C	D	E	F	G
L3802	NQR0129-002X	FERRITE BEAD		A	B	C	D	E	F	G
L3803	NQR0006-001X	FERRITE BEAD		A	B	C	D	E	F	G
L3804	NQL38DK-100X	COIL	10μH	A	B	C	D	E	F	G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
L3901	NQL38DK-100X	COIL	10µH	A B C D E F G
L4201	NQL38DK-100X	COIL	10µH	A B C D E F G
L4301	NQR0129-002X	FERRITE BEAD		A B C D E F G
L4302	NQR0129-002X	FERRITE BEAD		A B C D E F G
L4303	NQR0129-002X	FERRITE BEAD		A B C D E F G
L4304	NQR0129-002X	FERRITE BEAD		A B C D E F G
L5001	NQR0129-002X	FERRITE BEAD		A B C D E F G
L5002	NQL38DK-100X	COIL	10µH	A B C D E F G
L5003	NQL38DK-100X	COIL	10µH	A B C D E F G
L5004	NQL38DK-100X	COIL	10µH	A B C D E F G
L5005	NQR0129-002X	FERRITE BEAD		A B C D E F G
L5006	NQL38DK-101X	COIL	100µH	A B C D E F G
L5007	NQR0129-002X	FERRITE BEAD		A B C D E F G
L6001	NQL402M-100X	COIL	10µH	A B C D E F G
L6101	NQL68EM-100X	COIL	10µH	A B C D E F G
L6102	NQL68EM-100X	COIL	10µH	A B C D E F G
L6103	NQLZ010-390X	COIL	39µH	A B C D E F G
L6104	NQL68EM-330X	COIL	33µH	A B C D E F G
L6105	NQL68EM-330X	COIL	33µH	A B C D E F G
L6106	NQL68EM-470X	COIL	47µH	A B C D E F G
L6107	NQL68EM-330X	COIL	33µH	A B C D E F G
L6108	NQL144K-220X	COIL	22µH	A B C D E F G
L6109	NQLZ011-221X	COIL	220µH	A B C D E F G
L7102	NQL38DK-220X	COIL	22µH	A B C D E F G
L7103	NQL38DK-220X	COIL	22µH	A B C D E F G
L7104	NQL38DK-220X	COIL	22µH	A B C D E F G
L7201	NQL38DK-220X	COIL	22µH	A B C D E F G
L7202	NQL38DK-220X	COIL	22µH	A B C D E F G
L7203	NQL38DK-220X	COIL	22µH	A B C D E F G
L7204	NQL38DK-220X	COIL	22µH	A B C D E F G
L7205	NQL38DK-100X	COIL	10µH	A B C D E F G
L8001	NQR0129-002X	FERRITE BEAD		A B C D E F G
L8002	NQR0129-002X	FERRITE BEAD		A B C D E F G
L8003	NQR0006-001X	FERRITE BEAD		A B C D E F G
L8004	NQR0129-002X	FERRITE BEAD		A B C D E F G
L8005	NQR0129-002X	FERRITE BEAD		A B C D E F G
L8006	NQR0006-001X	FERRITE BEAD		A B C D E F G
L8301	NQR0129-002X	FERRITE BEAD		A B C D E F G
L8501	NQR0129-002X	FERRITE BEAD		A B C D E F G
X1001	NAX0474-001X	C OSCILLATOR		A B C D E F G
X1002	NAX0546-001X	CRYSTAL RESONATOR		A B C D E F G
X1401	NAX0175-001X	CRYSTAL RESONATOR		A B C D E F G
X3002	NAX0480-001X	CRYSTAL RESONATOR		A B C D E F G
X4301	NAX0561-001X	CXO,54MHz		A B C D E F G
X8301	NAX0522-001X	RESONATOR		A B C D E F G
S1001	NSW0182-001X	PUSH SWITCH,MONITOR SW		A B C D E F G
TB1	LY32205-001A	BATTERY TERMINAL UNIT		A B C D E F G
J101	QNZ0518-002	D CONNECTOR		A B C D E F G
CN101	QGF0517F1-08X	FPC CONNECTOR,HEAD		A B C D E F G
CN102	QGF0520F1-06X	FFC/FPC CONNECTOR,L MOTOR		A B C D E F G
CN103	QGF0520F1-06X	FFC/FPC CONNECTOR,ROT E SW		A B C D E F G
CN104	QGF0517F2-11X	FPC CONNECTOR,DRUM MOTOR		A B C D E F G
CN105	QGF0517F2-18X	FPC CONNECTOR,CAP. MOTOR		A B C D E F G
CN106	QGF0517F2-16X	FPC CONNECTOR,SENSOR		A B C D E F G
CN107	QGB0406L1-50X	CONNECTOR		A B C D E F G
CN108	QGA1001F1-02X	CONNECTOR,EJECT SW		A B C D E F G
CN109	QGF0520F2-13X	FFC/FPC CONNECTOR,ZOOM OPE.		A B C D E F G
CN110	QGB0404M1-80X	CONNECTOR		A B C D E F G
CN111	QGF0517F2-20X	FPC CONNECTOR,CCD		A B C D E F G
CN112	QGF0517F1-08X	FPC CONNECTOR,SUB OPE.		A B C D E F G
CN113	QGF0306F1-39X	FPC CONNECTOR		A B C D E F G
CN114	QGB0512L4-40X	CONNECTOR,JIG		A B C D E F G
CN115	QGA1001F1-04X	CONNECTOR,MIC		A B C D E F G
⚠ F6101	NMFZ007-2R0X-K	FUSE	T2.0A,50V	A B C D E F G
⚠ F6102	NMFZ007-2R0X-K	FUSE	T2.0A,50V	A B C D E F G
⚠ F6103	NMFZ007-1R0X-K	FUSE	T1.0A,50V	A B C D E F G
OT1	LY30029-0W6A	SPACER(A)		A B C D E F G
OT2	LY30029-0V3A	SPACER(A)		A B C D E F G
OT3	LY30029-0V7A	SPACER(A)		A B C D E F G
OT4	LY30029-0W3A	SPACER(A)		A B C D E F G
OT5	LY30029-0X7A	SPACER(A)		A B C D E F G
OT6	LY30029-0W9A	SPACER(A)		A B C D E F G
OT7	LY30029-0X6A	SPACER(A)		A B C D E F G
OT9	LY30029-0X9A	SPACER(A)		A B C D E F G
OT10	LY30030-038A	SPACER(A)		A B C D E F G
SD1	LY32271-001B	SHIELD CASE(PR)		A B C D E F G
SD2	LY44283-001A	SHIELD(CCD2)		A B C D E F G

— ANALOG INPUT <GR-DVP9 Series> —

IC3731	MM1504XN-X	IC		D E F G
Q3731	2SC4617/RS/-X	TRANSISTOR		D E F G
Q3732	DTC144EE-X	DIGI TRANSISTOR		D E F G
Q3732 or	RN1104	DIGI TRANSISTOR		D E F G
Q3732 or	UN9213J	DIGI TRANSISTOR		D E F G
Q3733	UMZ1N-X	PAIR TRANSISTOR		D E F G
Q3733 or	XP4601	TRANSISTOR		D E F G
Q3734	2SC4617/RS/-X	TRANSISTOR		D E F G
Q3735	UMZ1N-X	PAIR TRANSISTOR		D E F G
Q3735 or	XP4601	TRANSISTOR		D E F G
R3731	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	D E F G
R3732	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	D E F G
R3733	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	D E F G
R3734	NRSA6AJ-822W	MG RESISTOR	8.2kΩ,1/16W	D E F G
R3735	NRSA6AJ-182W	MG RESISTOR	1.8kΩ,1/16W	D E F G
R3736	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W	D E F G
R3737	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W	D E F G
R3738	NRSA6AJ-681W	MG RESISTOR	680Ω,1/16W	D E F G
R3739	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	D E F G
R3740	NRSA6AJ-821W	MG RESISTOR	820Ω,1/16W	D E F G
R3741	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	D E F G
R3742	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	D E F G
R3743	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	D E F G
R3744	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	D E F G
R3745	NRSA6AJ-152W	MG RESISTOR	1.5kΩ,1/16W	D E F G
R3746	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	D E F G
R3747	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	D E F G
R3748	NRSA6AJ-474W	MG RESISTOR	470kΩ,1/16W	D E F G
C3731	NCBA1CK-103W	CAPACITOR	0.01µF,16V	D E F G
C3732	NCBA1HK-102W	CAPACITOR	0.001µF,50V	D E F G
C3733	NDCA1HJ-3R0W	CAPACITOR	3pF,50V	D E F G
C3734	NDCA1HJ-5R0W	CAPACITOR	5pF,50V	D E F G
C3735	NDCA1HJ-330W	CAPACITOR	33pF,50V	D E F G
C3736	NCBA1HK-102W	CAPACITOR	0.001µF,50V	D E F G
C3738	NCBA1CK-103W	CAPACITOR	0.01µF,16V	D E F G
C3739	NCBA1CK-103W	CAPACITOR	0.01µF,16V	D E F G
C3740	NCB30JK-105X	CAPACITOR	1µF,6.3V	D E F G
C3741	NCB30JK-105X	CAPACITOR	1µF,6.3V	D E F G
C3742	NCBA1AK-104W	CAPACITOR	0.1µF,10V	D E F G
C3743	NDCA1HJ-3R0W	CAPACITOR	3pF,50V	D E F G
C3744	NDCA1HJ-5R0W	CAPACITOR	5pF,50V	D E F G
C3745	NDCA1HJ-330W	CAPACITOR	33pF,50V	D E F G
C3746	NCB20JM-475X	CAPACITOR	4.7µF,6.3V	D E F G
C3747	NCBA1CK-103W	CAPACITOR	0.01µF,16V	D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
L3731	NQL085J-6R8X	COIL	6.8µH	D E F G
L3732	NQL085J-6R8X	COIL	6.8µH	D E F G

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OP MDA BOARD ASSEMBLY<02>

PW	YB10371B	OP MDA BOARD ASSY		A B C D E F G
IC4802	NJM2143R-X	IC		A B C D E F G
IC4803	NJM2143R-X	IC		A B C D E F G
IC4804	NJM3414AV	IC		A B C D E F G
IC4805	MM6564XFBE	IC		A B C D E F G
IC4806	TC7S08FU	IC(DIGITAL)		A B C D E F G
IC4851	UPD16879GS	IC		A B C D E F G
Q1151	RPM-22PB	PHOTO TRANSISTOR		A B C D E F G
Q2001	DTC143XE	DIGI TRANSISTOR		A B C D E F G
Q2901	2SB1121/TU/-X	TRANSISTOR		A B C D E F G
Q2901 or	2SB1121/ST/-X	TRANSISTOR		A B C D E F G
Q2902	2SC5658	TRANSISTOR		A B C D E F G
Q4801	2SC4655/BC/-X	TRANSISTOR		A B C D E F G
Q4802	2SC5658	TRANSISTOR		A B C D E F G
Q4803	DTC144EE	DIGI TRANSISTOR		A B C D E F G
Q4804	DTA144EE	DIGI TRANSISTOR		A B C D E F G
Q4805	2SC4617/RS/-X	TRANSISTOR		A B C D E F G
Q4806	2SA1774/QR/-X	TRANSISTOR		A B C D E F G
Q4851	2SC5658	TRANSISTOR		A B C D E F G
D2001	CL-221HR-C-X	LE DIODE		A B C D E F G
D2901	EMZ6.8N	ZENER DIODE		A B C D E F G
D2902	EMZ6.8N	ZENER DIODE		A B C D E F G
D2903	EMZ6.8N	ZENER DIODE		A B C D E F G
R1151	NRSA6AJ-302W	MG RESISTOR	3kΩ,1/16W	A B C D E F G
R2001	NRSA6AJ-471W	MG RESISTOR	470Ω,1/16W	A B C D E F G
R2903	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R2905	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R2906	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R2907	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R2908	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R2919	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A B C D E F G
R2920	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A B C D E F G
R4804	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	A B C D E F G
R4805	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R4806	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W	A B C D E F G
R4807	NRSA6AJ-683W	MG RESISTOR	68kΩ,1/16W	A B C D E F G
R4808	NRSA6AJ-243W	MG RESISTOR	24kΩ,1/16W	A B C D E F G
R4809	NRSA6AJ-331W	MG RESISTOR	330Ω,1/16W	A B C D E F G
R4810	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R4811	NRSA6AJ-564W	MG RESISTOR	560kΩ,1/16W	A B C D E F G
R4812	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W	A B C D E F G
R4814	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A B C D E F G
R4815	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R4816	NRSA6AJ-105W	MG RESISTOR	1MΩ,1/16W	A B C D E F G
R4817	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R4818	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R4819	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R4820	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R4821	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R4822	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R4823	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R4824	NRSA6AJ-472W	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R4825	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A B C D E F G
R4826	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
R4828	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W	A B C D E F G
R4829	NRSA6AJ-122W	MG RESISTOR	1.2kΩ,1/16W	A B C D E F G
R4830	NRSA6AJ-222W	MG RESISTOR	2.2kΩ,1/16W	A B C D E F G
R4831	NRSA6AJ-473W	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R4832	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W	A B C D E F G
R4833	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R4834	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R4836	NRSA6AJ-561W	MG RESISTOR	560Ω,1/16W	A B C D E F G
R4841	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R4842	NRSA6AJ-103W	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R4848	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R4856	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W	A B C D E F G
R4857	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W	A B C D E F G
R4858	NRSA6AJ-333W	MG RESISTOR	33kΩ,1/16W	A B C D E F G
R4862	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W	A B C D E F G
R4863	NRSA63J-6R8X	MG RESISTOR	6.8Ω,1/16W	A B C D E F G
R4864	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R4865	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R4866	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R4867	NRSA6AJ-102W	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R4868	NRSA6AJ-101W	MG RESISTOR	100Ω,1/16W	A B C D E F G
R4870	NRSA6AJ-271W	MG RESISTOR	270Ω,1/16W	A B C D E F G
R9901	NRSA6AJ-104W	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R9902	NRSA6AJ-153W	MG RESISTOR	15kΩ,1/16W	A B C D E F G
R9903	NRSA6AJ-183W	MG RESISTOR	18kΩ,1/16W	A B C D E F G
R9904	NRSA6AJ-273W	MG RESISTOR	27kΩ,1/16W	A B C D E F G
C1151	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A B C D E F G
C1152	NCB21HK-683X-R	CAPACITOR	0.068µF,50V	A B C D E F G
C2901	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A B C D E F G
C2904	NCBA1CK-103W	CAPACITOR	0.01µF,16V	A B C D E F G
C4803	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A B C D E F G
C4804	NCFA1AZ-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C4805	NCFA1AZ-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C4806	NCFA1AZ-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C4808	NCB30JK-105X	CAPACITOR	1µF,6.3V	A B C D E F G
C4809	NCFA1AZ-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C4810	NCFA1HZ-103W	CAPACITOR	0.01µF,50V	A B C D E F G
C4811	NCFA1HZ-103W	CAPACITOR	0.01µF,50V	A B C D E F G
C4812	NCFA1AZ-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C4813	NCFA1AZ-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C4814	NCFA1AZ-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C4815	NCB31HK-152X	CAPACITOR	0.0015µF,50V	A B C D E F G
C4816	NCFA1AZ-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C4819	NCF31CZ-104X	CAPACITOR	0.1µF,16V	A B C D E F G
C4851	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A B C D E F G
C4852	NCFA1AZ-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C4853	NBEJ0JM-475X	T CAPACITOR	4.7µF,6.3V	A B C D E F G
C4854	NBZ0015-106X	T CAPACITOR	10µF,6.3V	A B C D E F G
C4855	NCB31CK-104X	CAPACITOR	0.1µF,16V	A B C D E F G
C4858	NDCA1HJ-680W	CAPACITOR	68pF,50V	A B C D E F G
C4859	NCBA1CK-223W	CAPACITOR	0.022µF,16V	A B C D E F G
C4860	NCBA1CK-223W	CAPACITOR	0.022µF,16V	A B C D E F G
C4861	NCBA1CK-153W	CAPACITOR	0.015µF,16V	A B C D E F G
C4862	NCBA1CK-153W	CAPACITOR	0.015µF,16V	A B C D E F G
C4864	NBEJ0JM-475X	T CAPACITOR	4.7µF,6.3V	A B C D E F G
C4865	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A B C D E F G
L1151	NQR0265-001X	FERRITE BEAD		A B C D E F G
L2901	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	A B C D E F G
L2902	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2903	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2904	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2905	NQR0251-004X	FERRITE BEAD		A B C D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
L2906	NRSA6AJ-0R0W	MG RESISTOR	0Ω,1/16W	A B C D E F G
L2907	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2908	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2909	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2910	NQR0251-004X	FERRITE BEAD		A B C D E F G
L4802	NQL38DK-100X	COIL	10µH	A B C D E F G
L4851	NQR0129-002X	FERRITE BEAD		A B C D E F G
L4852	NQL38DK-100X	COIL	10µH	A B C D E F G
L4853	NQL38DK-100X	COIL	10µH	A B C D E F G
B201	QAB0040-001	LI BATTERY		A B C D E F G
SW2001	NSW0175-001X	PUSH SWITCH,VF SW		A B C D E F G
S9901	NSW0145-001X	TACT SWITCH,BACK LIGHT		A B C D E F G
S9902	NSW0145-001X	TACT SWITCH,EXPOSURE		A B C D E F G
S9903	NSW0145-001X	TACT SWITCH,FOCUS		A B C D E F G
S9904	NSW0099-001X	SLIDE SWITCH,VIDEO/MEMORY		A B C D E F G
CN201	QGB0404L1-80X	CONNECTOR		A B C D E F G
CN202	QGF0517F1-16X	FPC CONNECTOR,SHOE		A B C D E F G
CN203	QGF0517F1-20X	FPC CONNECTOR,VF BL		A B C D E F G
CN204	QGF0517F1-24X	FPC CONNECTOR,OP		A B C D E F G
OT1	LY43916-001A	SPACER(TACT)		A B C D E F G
OT2	LY30030-029A	SPACER(A)		A B C D E F G

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BOTTOM BOARD ASSEMBLY<03>

PW1	YB10372B1-03	BOTTOM BOARD ASSY		A B C D E F G
D2801	RSA6.1J4-W	SI DIODE		A B C D E F G
D2802	RSA6.1J4-W	SI DIODE		A B C D E F G
D2803	EDZ6.8B-X	SI DIODE		A B C D E F G
R2801	NRSA63J-220X	MG RESISTOR	22Ω,1/16W	A B C D E F G
R2802	NRSA63J-220X	MG RESISTOR	22Ω,1/16W	A B C D E F G
R2803	NRSA63J-220X	MG RESISTOR	22Ω,1/16W	A B C D E F G
R2804	NRSA63J-220X	MG RESISTOR	22Ω,1/16W	A B C D E F G
R2805	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R2806	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R2807	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R2808	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R2809	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R2810	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R2811	NRSA63J-473X	MG RESISTOR	47kΩ,1/16W	A B C D E F G
R2814	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	A B C D E F G
R2851	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R2852	NRSA63J-104X	MG RESISTOR	100kΩ,1/16W	A B C D E F G
R2853	NRSA63J-151X	MG RESISTOR	150Ω,1/16W	A B C D E F G
R2854	NRSA63J-151X	MG RESISTOR	150Ω,1/16W	A B C D E F G
R2855	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	A B C D E F G
C2801	NBE20GM-476X	T CAPACITOR	46µF,4.0V	A B C D E F G
C2804	NCBA1AK-104W	CAPACITOR	0.1µF,10V	A B C D E F G
C2851	NCB31CK-683X	CAPACITOR	0.068µF,16V	A B C D E F G
C2852	NCB31CK-683X	CAPACITOR	0.068µF,16V	A B C D E F G
C2853	NCB31HK-472X	CAPACITOR	0.0047µF,50V	A B C D E F G
C2854	NCB31HK-472X	CAPACITOR	0.0047µF,50V	A B C D E F G
L2801	NQR0384-003X	COIL		A B C D E F G
L2851	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2852	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2853	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2854	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2855	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2856	NQR0251-004X	FERRITE BEAD		A B C D E F G
L2857	NQR0251-004X	FERRITE BEAD		A B C D E F G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION	A B C D E F G
L2858	NQR0251-004X	FERRITE BEAD	A B C D E F G
L2859	NQR0251-004X	FERRITE BEAD	A B C D E F G
BK1	LY32626-001A	BOTTOM PWB BRACKET	A B C D E F G
J301	QNS0200-001	3.5 JACK	A B C D E F G
J302	NNZ0070-001X	USB CONNECTOR	A B C D E F G
CN301	QGB0406M1-50X	CONNECTOR	A B C D E F G
CN302	NNZ0082-001X	M CONNECTORCTOR,MULTI	A B C D E F G
CN303	NNZ0067-001X	SD CARD CONNECTOR,SD	A B C D E F G
OT1	LY30029-0V5A	SPACER(A)	A B C D E F G
OT2	LY30029-0X4A	SPACER(A)	A B C D E F G
OT3	LY30029-0Y2A	SPACER(A)	A B C D E F G
OT4	LY30029-0X5A	SPACER(A)	A B C D E F G
SD1	LY43764-001A	SHIELD(BOTTOM)	A B C D E F G

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MONITOR BOARD ASSEMBLY<04>

PW1	YB20933A1	MONITOR BOARD ASSY		A B C D E F G
Q7501	UMD3N	DIGI TRANSISTOR		A B C D E F G
Q7502	2SC4617/RS/-X	TRANSISTOR		A B C D E F G
Q7503	XP6501	TRANSISTOR		A B C D E F G
Q7504	XP6501	TRANSISTOR		A B C D E F G
D7601	UDZ2.7B	ZENER DIODE		A B C D E F G
D7602	UDZS4.3B	ZENER DIODE		A B C D E F G
R7501	NRSA63D-472X	MG RESISTOR	4.7kΩ,1/16W	A B C D E F G
R7502	NRSA63D-621X	MG RESISTOR	620Ω,1/16W	A B C D E F G
R7504	NRSA63D-101X	MG RESISTOR	100Ω,1/16W	A B C D E F G
R7505	NRSA63D-101X	MG RESISTOR	100Ω,1/16W	A B C D E F G
R7506	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R7507	NRSA63J-102X	MG RESISTOR	1kΩ,1/16W	A B C D E F G
R7508	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7511	NRSA63D-153X	MG RESISTOR	15kΩ,1/16W	A B C D E F G
R7513	NRSA63J-0R0X	MG RESISTOR	0Ω,1/16W	A B C D E F G
R7601	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W	A B C D E F G
C7501	NCB21CK-104X	CAPACITOR	0.1µF,16V	A B C D E F G
C7502	NCB21CK-104X	CAPACITOR	0.1µF,16V	A B C D E F G
C7601	NCB21CK-104X	CAPACITOR	0.1µF,16V	A B C D E F G
C7602	NCB21CK-105X	CAPACITOR	1µF,16V	A B C D E F G
C7603	NCB21CK-105X	CAPACITOR	1µF,16V	A B C D E F G
C7605	NBE81AM-106X	T CAPACITOR	10µF,10V	A B C D E F G
C7606	NCB21CK-105X	CAPACITOR	1µF,16V	A B C D E F G
CN401	QGF0307F1-33W	FPC CONNECTOR		A B C D E F G
CN402	QGF0517F1-24X	FPC CONNECTOR		A B C D E F G
CN403	QGF0520F1-06X	FFC/FPC CONNECTOR		A B C D E F G

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CCD BOARD ASSEMBLY<05>

PW1	YB20926B-01	CCD BOARD ASSY		A B C D E F G
Q5201	2SC4083/NP/-X	TRANSISTOR		A B C D E F G
Q5202	2SC4081/RS/-X	TRANSISTOR		A B C D E F G
Q5203	2SC4082/P/-X	TRANSISTOR		A B C D E F G
R5201	NRSA63J-222X	MG RESISTOR	2.2kΩ,1/16W	A B C D E F G
R5202	NRSA63J-821X	MG RESISTOR	820Ω,1/16W	A B C D E F G
R5203	NRSA63J-822X	MG RESISTOR	8.2kΩ,1/16W	A B C D E F G
R5204	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W	A B C D E F G
R5205	NRSA63J-103X	MG RESISTOR	10kΩ,1/16W	A B C D E F G
C5202	NBZ0018-106X	TA E CAPACITOR	10µF,20V	A B C D E F G
C5203	NCF31EZ-104X	C CAPACITOR	0.1µF,25V	A B C D E F G

MODEL	MARK	MODEL	MARK
GR-DVP8EK	A	GR-DVP9EK	D
GR-DVP8EX	B	GR-DVP9EX	E
GR-DVP8EY	C	GR-DVP9EY	F
		GR-DVP9EZ	G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION		A B C D E F G
C5204	NBE21AM-106X	TA E CAPACITOR	10µF,10V	A B C D E F G
C5205	NCB31CK-104X	C CAPACITOR	0.1µF,16V	A B C D E F G
C5206	NCB21EK-104X	C CAPACITOR	0.1µF,25V	A B C D E F G
C5207	NCB31HK-222X	C CAPACITOR	0.0022µF,50V	A B C D E F G
C5211	NCB31CK-104X	C CAPACITOR	0.1µF,16V	A B C D E F G
OT1	LY30029-0V8B	SPACER(A)		A B C D E F G

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EJECT BOARD ASSEMBLY<06>

PW2	YB10372A2-03	EJECT BOARD ASSY		A B C D E F G
S1	NSW0095-001X	DETECT SWITCH,EJECT SW		A B C D E F G
WR1	WJM0286-001A	E-SI C WIRE C-F,EJECT-MAIN CN108		A B C D E F G

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VF BL BOARD ASSEMBLY<07>

PW2	YB20933A2	VF BL BOARD ASSY		A B C D E F G
Q7001	UMD3N	DIGI TRANSISTOR		A B C D E F G
Q7002	PUMX1	PAIR TRANSISTOR		A B C D E F G
D7001	NSCW100A0/ST/-X	LE DIODE		A B C D E F G
R7001	NRSA63J-332X	MG RESISTOR	3.3kΩ,1/16W	A B C D E F G
R7002	NRSA63J-561X	MG RESISTOR	560Ω,1/16W	A B C D E F G
R7003	NRSA63J-470X	MG RESISTOR	47Ω,1/16W	A B C D E F G
R7005	NRSA63J-333X	MG RESISTOR	33kΩ,1/16W	A B C D E F G
C7001	NCB31CK-104X	CAPACITOR	0.1µF,16V	A B C D E F G
C7002	NCB31CK-104X	CAPACITOR	0.1µF,16V	A B C D E F G
C7003	NCB31CK-104X	CAPACITOR	0.1µF,16V	A B C D E F G
CN7001	QGF0517F2-20X	FPC CONNECTOR		A B C D E F G
CN7002	QGF0517F1-16X	FPC CONNECTOR		A B C D E F G

#⚠ REF No.	PART No.	PART NAME, DESCRIPTION	A B C D E F G